



## PTRF Polyclonal Antibody

| Catalog No BYab-04941   Isotype IgG   Reactivity Human;Mouse;Rat   Applications WB;ELISA   Gene Name PTRF FKSG13   Protein Name Polymerase I and transcript release factor (Cavin-1)   Immunogen Synthesized peptide derived from human protein . at AA range: 90-170   Specificity PTRF Polyclonal Antibody detects endogenous levels of protein.   Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   Source Polyclonal, Rabbit,IgG   Purtification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   Dilution WB 1:500-2000 ELISA 1:5000-20000   Concentration 1 mg/ml   Purtify ≥90%   Storage Stability -20°C/1 year   Synonyms Colocalizes in the caveolae upon insult situation. Nucleus . Transforactes to the cytoplasm from the caveolae upon insult instituation. PubMed; 10726959). Colocalizes with CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a caveolin-dependent manner (By similarity).   Tissue Specificity Adipocyte, Epithelium, Lung, Muscle, Pancreas, Testis,   Function function: Termination of transcription by RNA polymerase I involves pausing of transcription by TT1, and the dissociation of   |                    |  |
|---|--------------------|--|
| Isotype   IgG     Reactivity   Human;Mouse;Rat     Applications   WB;ELISA     Gene Name   PTRF FKSG13     Protein Name   Polymerase I and transcript release factor (Cavin-1)     Immunogen   Synthesized peptide derived from human protein . at AA range: 90-170     Specificity   PTRF Polyclonal Antibody detects endogenous levels of protein.     Formulation   Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.     Source   Polyclonal, Rabbit,IgG     Purification   The antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.     Dilution   WB 1:500-2000 ELISA 1:5000-20000     Concentration   1 mg/ml     Purify   ≥90%     Storage Stability   -20°C/1 year     Synonyms   -20°C/1 year     Cell Pathway   Membrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondion . Nucleus. Translocates to the cytoplasm<br>caveolin -dependent manner (By similarity).     Tissue Specificity   Adipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,     Function   functon. Termination of transcription complex, releasing<br>pre-RNA and RNA polymerase. I fromothe resyuot proteolysis and may<br>be phosphorylation -dependent.   | Catalog No         | BYab-04941   |
| ReactivityHuman;Mouse;RatApplicationsWB;ELISAGene NamePTRF FKSG13Protein NamePolymerase I and transcript release factor (Cavin-1)ImmunogenSynthesized peptide derived from human protein . at AA range: 90-170SpecificityPTRF Polyclonal Antibody detects endogenous levels of protein.FormulationLiquid in PBS containing 50% glycerol, and 0.02% sodium azide.SourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000 ELISA 1:5000-20000Concentration1 mg/mlPurity290%Storage Stability-20°C/1 yearObserved Band42kDCell PathwayMemprane, caveola. Cell membrane. Microsome. Endoplasmic reticulum .<br>Coyloplasm, cytosol . Mitochondrion . Nucleus . Transiceates to the cytoplasm<br>trom the caveolae upon insulin stimulation (PubMed: 17026959). Colocalizes with<br>CAVI in lipid rafts in adipocyte. Localizes in the caveolae in a<br>caveolin-dependent manner (By similation).Tissue SpecificityAdipocyte.Epithelium,Lung.Muscle,Pancreas,Testis.Functionfunction Termination of transcription by RNA polymerase I involves pausing of<br>irranscription by TTF1, and the dissociation orbite. PTRF1 sequired for<br>dissociation of the terary transcription complex, releasing<br>pre-RNA and RNA polymerase. Informed Proteolysis and may<br>be phosphorylation-dependent. PTM-Fiber Thronsbed Present in advice and<br>inascription complex, releasing<br>pre-RNA and RNA polymerase. Information proteolysis and may<br>be phosphorylation dependent. PTM-Fiber Present in active and <br< th=""><th>Isotype</th><th>lgG</th></br<>  | Isotype            | lgG  |
| ApplicationsWB;ELISAGene NamePTRF FKSG13Protein NamePolymerase I and transcript release factor (Cavin-1)ImmunogenSynthesized peptide derived from human protein . at AA range: 90-170SpecificityPTRF Polyclonal Antibody detects endogenous levels of protein.FormulationLiquid in PBS containing 50% glycerol, and 0.02% sodium azide.SourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000 ELISA 1:5000-20000Concentration1 mg/mlPurify≥90%Storage Stability-20°C/1 yearSynonyms-Cell PathwayMembrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm<br>from the caveolar upon insulina similarity).Tissue SpecificityAdipocyte,Epitelium,Lung,Muscle,Pancreas,Testis,Functionfunction:Termination of transcription by RNA polymerase I involves pausing of<br>transcription by TTAF, and the dissociation of the transcription complex, Peleasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the transcription polymer, PTMF-Fix transle of the caveola for<br>dissociation of the transcription complex, Peleasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the transcription complex, releasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the transcription complex, releasing<br>pre-fixed pendent. PTM-Fixe transcription complex, releasing<br>pre-fixed pendent. PTM   | Reactivity         | Human;Mouse;Rat  |
| Gene NamePTRF FKSG13Protein NamePolymerase I and transcript release factor (Cavin-1)ImmunogenSynthesized peptide derived from human protein . at AA range: 90-170SpecificityPTRF Polyclonal Antibody detects endogenous levels of protein.FormulationLiquid in PBS containing 50% glycerol, and 0.02% sodium azide.SourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000 ELISA 1:5000-20000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsColored a dipocyte, Caving and adipocyte, Localizes in the caveolae in a caveolar in adipocyte, Localizes in the caveolae in a caveolar in adipocyte, Localizes in the caveolae in a caveolar in adipocyte, Localizes in the caveolae in a caveolar in adipocyte, Localizes in the caveolae in a caveolar in adipocyte, Localizes in the caveolae in a caveolin-dependent manner (By similarity).Tissue SpecificityAdipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,Functionfunction.Termination of transcription by RNA polymerase i involves pausing of transcription by TFT1, and the dissociation of the transcription complex, releasing pre-rRNA and RNA polymerase I from the template. PTRF is required for dissociation of the transcription complex, releasing pre-rRNA and RNA polymerase I from the template. PTRF is required for dissociation of the transcription complex, releasing pre-rRNA and RNA polymerase I from the template. PTRF is required for dissociation of the transcription complex, releasing transcription complex, releasing transcription complex, releasing transcription complex, releasing trans   | Applications       | WB;ELISA   |
| Protein Name   Polymerase I and transcript release factor (Cavin-1)     Immunogen   Synthesized peptide derived from human protein . at AA range: 90-170     Specificity   PTRF Polyclonal Antibody detects endogenous levels of protein.     Formulation   Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.     Source   Polyclonal, Rabbit,IgG     Purification   The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.     Dilution   WB 1:500-2000 ELISA 1:5000-20000     Concentration   1 mg/ml     Purity   ≥90%     Storage Stability   -20°C/1 year     Synonyms   Colocalizes with CAV in miloid antipervision of the caveolae upon insulin stimulation (PubMed:17026959). Colocalizes with CAV in in lipid rafts in adipocytes, Localizes in the caveolae in a caveolin-dependent manner (By similarity).     Tissue Specificity   Adipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,     Function   function:Termination of transcription by RNA polymerase i involves pausing of transcription or the caveolae. Therase are thought to be the result of proteolysis and may be phosphorylation-dependent manner (BY similarity).     Tissue Specificity   Adipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,     Function   function:Termination of transcription by RNA polymerase l involves pausing of tr   | Gene Name          | PTRF FKSG13  |
| ImmunogenSynthesized peptide derived from human protein . at AA range: 90-170SpecificityPTRF Polyclonal Antibody detects endogenous levels of protein.FormulationLiquid in PBS containing 50% glycerol, and 0.02% sodium azide.SourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000 ELISA 1:5000-20000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsUnited antibility statise in adipocytes. Localizes in the caveolae in a caveolar caveola. Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm<br>from the caveolae upon insulin stimulation (PubMed.17026959). Colocalizes with<br>CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a<br>caveolar manor dy similarity).Tissue SpecificityAdipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,Functionfunction: Termination of transcription by RNA polymerase I involves pausing of<br>transcription by TTF1, and the dissociation of the transcription complex, releasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required forms are<br>torund in the caveolae. These are thought to be the result of proteolysis and may<br>be phosphorylation-dependent mere the PTRF/SDR PTSPR framily. subcellular location: Found<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal<br>at the surface of the caveolae. Also found in the plasma membrane, micr   | Protein Name       | Polymerase I and transcript release factor (Cavin-1)   |
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| FormulationLiquid in PBS containing 50% glycerol, and 0.02% sodium azide.SourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000 ELISA 1:5000-20000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsCell PathwayCell PathwayMembrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion , Nucleus . Translocates to the cytoplasm<br>caveolin-dependent manner (By similarity).Tissue SpecificityAdipocyte, Epithelium, Lung, Muscle, Pancreas, Testis,Functionfunction: Termination of transcription by RNA polymerase I involves pausing of<br>transcription by TTP1 and the dissociation of the transcription complex, releasing<br>pre-fRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex, releasing<br>pre-fRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex, releasing<br>pre-fRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex, releasing<br>pre-fRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex, releasing<br>pre-fRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex, releasing<br>pre-fRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex, releasing<br>pre-fRNA and RNA polymerase in the SoPR family.subcellular location:Found<br>at the sufface of the cav                       | Specificity        | PTRF Polyclonal Antibody detects endogenous levels of protein.   |
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| PurificationThe antibody was affinity-purified from rabbit antiserum by<br>affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000 ELISA 1:5000-20000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsObserved Band42kDCell PathwayMembrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm<br>from the caveolae upon insulin stimulation (PubMed:1702695). Colocalizes with<br>CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a<br>caveolin-dependent manner (By similarity).Functionfunction: Termination of transcription by RNA polymerase I involves pausing of<br>transcription by TTF1, and the dissociation of the transcription complex, releasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternascription polyen. PTMF is proteolysis and may<br>be phosphorylation-dependentPTM:Phosphorylated. Present in active and<br>inactive forms. Changes in phosphorylation patter may alter<br>activity. similarity:Belongs to the PTRF/SDPR familysubcellular location:Found<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal<br>the surface of the caveolae. Also found in the plasma membrane.   | Source             | Polyclonal, Rabbit,IgG   |
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| Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonyms-20°C/1 yearObserved Band42kDCell PathwayMembrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm<br>from the caveolae upon insulin stimulation (PubMed:17026959). Colocalizes with<br>CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a<br>caveolin-dependent manner (By similarity)Tissue SpecificityAdipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,Functionfunction:Termination of transcription by RNA polymerase 1 involves pausing of<br>transcription of the terrary transcription complex., releasing<br>pre-rRNA and RNA polymerase 1 from the terrage of the caveolae. These are thought to be the result of proteolysis and may<br>be phosphorylation-dependent.,PTMF/SDPR family.,subcellular location:Found<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal   | Dilution           | WB 1:500-2000 ELISA 1:5000-20000   |
| Purity ≥90%   Storage Stability -20°C/1 year   Synonyms -20°C/1 year   Observed Band 42kD   Cell Pathway Membrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum . Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm from the caveolae upon insulin stimulation (PubMed:17026959). Colocalizes with CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a caveolin-dependent manner (By similarity)   Tissue Specificity Adipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,   Function function:Termination of transcription by RNA polymerase I involves pausing of transcription by TTF1, and the dissociation of the transcription complex, releasing pre-rRNA and RNA polymerase I from the template. PTRF is required for dissociation of the ternary transcription complex.,PTM:Five truncated forms are found in the caveolae. These are thought to be the result of proteolysis and may be phosphorylation-dependent, PTM:Phosphorylation Present in active and inactive forms. Changes in phosphorylation pattern may alter activity.,similarity:Belongs to the PTRF/SDPR family.,subcellular location:Found at the surface of the caveolae. Also found in the plasma membrane, microsomal   | Concentration      | 1 mg/ml  |
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| Observed Band42kDCell PathwayMembrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm<br>from the caveolae upon insulin stimulation (PubMed:17026959). Colocalizes with<br>CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a<br>caveolin-dependent manner (By similarity)Tissue SpecificityAdipocyte, Epithelium, Lung, Muscle, Pancreas, Testis,Functionfunction: Termination of transcription by RNA polymerase I involves pausing of<br>transcription by TTF1, and the dissociation of the transcription complex, releasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex., PTM:Five truncated forms are<br>found in the caveolae. These are thought to be the result of proteolysis and may<br>be phosphorylation-dependent.,PTM:Phosphorylated. Present in active and<br>inactive forms. Changes in phosphorylation pattern may alter<br>activity.,similarity:Belongs to the PTRF/SDPR family.,subcellular location:Found<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal  | Synonyms           |  |
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| Tissue SpecificityAdipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,Functionfunction:Termination of transcription by RNA polymerase I involves pausing of<br>transcription by TTF1, and the dissociation of the transcription complex, releasing<br>pre-rRNA and RNA polymerase I from the template. PTRF is required for<br>dissociation of the ternary transcription complex.,PTM:Five truncated forms are<br>found in the caveolae. These are thought to be the result of proteolysis and may<br>be phosphorylation-dependent.,PTM:Phosphorylated. Present in active and<br>inactive forms. Changes in phosphorylation pattern may alter<br>activity.,similarity:Belongs to the PTRF/SDPR family.,subcellular location:Found<br>at the surface of the caveolae. Also found in the plasma membrane, microsomal   | Cell Pathway       | Membrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum .<br>Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm<br>from the caveolae upon insulin stimulation (PubMed:17026959). Colocalizes with<br>CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a<br>caveolin-dependent manner (By similarity)  |
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## Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

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|----------------------------|--|
|                            | and cytosolic fractions and at a low level in the mitochondrial and nuclear fractions. Translocates to the cytoplasm from the caveolae upon insulin stimulation.,subunit:Interacts with RNA polymerase I and TTF1. Bind  |
| Background                 | This gene encodes a protein that enables the dissociation of paused ternary<br>polymerase I transcription complexes from the 3' end of pre-rRNA<br>transcripts. This protein regulates rRNA transcription by promoting the<br>dissociation of transcription complexes and the reinitiation of polymerase I on<br>nascent rRNA transcripts. This protein also localizes to caveolae at the plasma<br>membrane and is thought to play a critical role in the formation of caveolae and<br>the stabilization of caveolins. This protein translocates from caveolae to the<br>cytoplasm after insulin stimulation. Caveolae contain truncated forms of this<br>protein and may be the site of phosphorylation-dependent proteolysis. This<br>protein is also thought to modify lipid metabolism and insulin-regulated gene<br>expression. Mutations in this gene result in a disorder characterized by<br>generalized lipodystrophy and muscular dystrop |
| matters needing attention  | Avoid repeated freezing and thawing!   |
| Usage suggestions          | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.  |

## **Products Images**



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