



## STK3 Polyclonal Antibody

kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase Krs-1) [Cleaved into: Serine/threonine-protein . at AA range: 330-410  Specificity STK3 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  Observed Band 54kD  Cell Pathway Cytoplasm . Nucleus . The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed: 19525978, PubMed: 11278283). Phosphorylation at Th leads to inhibition of nuclear translocation (PubMed: 19525978).  Tissue Specificity Expressed at high levels in adult kidney, skeletal and placenta tissues and a low levels in adult heart, lung and brain tissues.  Function catalytic activity: ATP + a protein = ADP + a phosphoprotein, cofactor: Magnesium, enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full activat also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAFT, (Inction:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatic condensation followed by interrucleosomal DNA		
Reactivity Human;Mouse;Rat  Applications WB;ELISA  Gene Name STK3 KRS1 MST2  Protein Name Serine/threonine-protein kinase 3 (EC 2.7.11.1) (Mammalian STE20-like protein Name Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase Krs-1) (Cleaved into: Serine/threonine-protein kinase MST2) (Serine/threonine-protein kinase MST2) (Serine/threon	Catalog No	BYab-06126
Applications  Gene Name  STK3 KRS1 MST2  Protein Name  Serine/threonine-protein kinase 3 (EC 2.7.11.1) (Mammalian STE20-like prokinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase 2) (MST-2) (STE20-like kinase 2) (MST-2) (	Isotype	IgG
Gene Name         STK3 KRS1 MST2           Protein Name         Serine/threonine-protein kinase 3 (EC 2.7.11.1) (Mammalian STE20-like pricase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinakinase 2) (MST-2) (Serine/threonine-protein kinase 2) (MST-2) (Serine/threonine-protein and 0.02% sodium azide.           Source         Polyclonal Antibody detects endogenous levels of protein.           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         Observed Band         54kD           Cell Pathway         Cytoplasm . Nucleus . The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed:19525978, PubMed:11278233). Phosphorylation at The leads to inhibition of nuclea	Reactivity	Human;Mouse;Rat
Protein Name Serine/threonine-protein kinase 3 (EC 2.7.11.1) (Mammalian STE20-like prokinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase 3) (Serine/threonine-protein in Krs-1) [Cleaved into: Serine/threonine-protein . at AA range: 330-410  Specificity STK3 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 290%  Storage Stability -20°C/1 year  Synonyms  Observed Band 54kD  Cell Pathway Cytoplasm . Nucleus . The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed:19525978, PubMed:11278283). Phosphorylation at The leads to inhibition of nuclear translocation (PubMed:19525978).  Tissue Specificity Expressed at high levels in adult kidney, skeletal and placenta tissues and a low levels in adult heart, lung and brain tissues.  Function catalytic activity:ATP + a protein = ADP + a phosphoprotein, cofactor:Magnesium, enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage, Full activate also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAPT . function:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatin condensation followed by internucleosmal DNA	Applications	WB;ELISA
kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase Krs-1) [Cleaved into: Serine/threonine-protein at AA range: 330-410  Synthesized peptide derived from human protein . at AA range: 330-410  Specificity STK3 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  Observed Band 54kD  Cell Pathway Cytoplasm . Nucleus . The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed:19525978, PubMed:11278283). Phosphorylation at Th leads to inhibition of nuclear translocation (PubMed:19525978).  Tissue Specificity Expressed at high levels in adult kidney, skeletal and placenta tissues and a low levels in adult heart, lung and brain tissues.  Function catalytic activity:ATP + a protein = ADP + a phosphoprotein, cofactor:Magnesium, enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full activat also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAFT, (Inction:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatic condensation followed by interrucleosomal DNA	Gene Name	STK3 KRS1 MST2
Specificity  STK3 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  Observed Band  54kD  Cell Pathway  Cytoplasm Nucleus The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed:19525978, PubMed:11278283). Phosphorylation at The leads to inhibition of nuclear translocation (PubMed:19525978).  Tissue Specificity  Expressed at high levels in adult kidney, skeletal and placenta tissues and a low levels in adult heart, lung and brain tissues.  Function  Ceterminal non-catalytic region. Activated by caspase-cleavage. Full activated also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAF1., function: Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatin condensation followed by internucleosomal DNA	Protein Name	Serine/threonine-protein kinase 3 (EC 2.7.11.1) (Mammalian STE20-like protein kinase 2) (MST-2) (STE20-like kinase MST2) (Serine/threonine-protein kinase Krs-1) [Cleaved into: Serine/threonine-protein
Formulation  Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source  Polyclonal, Rabbit,IgG  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  Observed Band  54kD  Cell Pathway  Cytoplasm Nucleus The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed:19525978, PubMed:11278283). Phosphorylation at The leads to inhibition of nuclear translocation (PubMed:19525978).  Tissue Specificity  Expressed at high levels in adult kidney, skeletal and placenta tissues and a low levels in adult heart, lung and brain tissues.  Function  catalytic activity:ATP + a protein = ADP + a phosphoproteim.,cofactor:Magnesium,enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full actival also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAF1.,function:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatin condensation followed by internucleosomal DNA	Immunogen	Synthesized peptide derived from human protein . at AA range: 330-410
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       Observed Band       54kD         Cell Pathway       Cytoplasm Nucleus . The caspase-cleaved form cycles between nucleus a cytoplasm (PubMed:19525978, PubMed:11278283). Phosphorylation at The leads to inhibition of nuclear translocation (PubMed:19525978).         Tissue Specificity       Expressed at high levels in adult kidney, skeletal and placenta tissues and a low levels in adult heart, lung and brain tissues.         Function       catalytic activity:ATP + a protein = ADP + a phosphorptein, cofactor:Magnesium, enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full activated also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAF1.,function:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatin condensation followed by internucleosomal DNA	Specificity	STK3 Polyclonal Antibody detects endogenous levels of protein.
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phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full activat also requires homodimerization and autophosphorylation of Thr-180, which inhibited by the proto-oncogene product RAF1.,function:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus induces chromatin condensation followed by internucleosomal DNA	Tissue Specificity	Expressed at high levels in adult kidney, skeletal and placenta tissues and at very low levels in adult heart, lung and brain tissues.
activates LATS1 and LATS2.,similarity:Belongs to the protein kinase superf	Function	phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full activation also requires homodimerization and autophosphorylation of Thr-180, which are inhibited by the proto-oncogene product RAF1.,function:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and

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	STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SARAH domain.,subcellular location:The caspase-cleaved form cycles between nucleus and cytoplasm.,subunit:Homodimer; mediated via the coil
Background	serine/threonine kinase 3(STK3) Homo sapiens This gene encodes a serine/threonine protein kinase activated by proapoptotic molecules indicating the encoded protein functions as a growth suppressor. Cleavage of the protein product by caspase removes the inhibitory C-terminal portion. The N-terminal portion is transported to the nucleus where it homodimerizes to form the active kinase which promotes the condensation of chromatin during apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012],
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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