



NDR1/2 rabbit pAb

Formulation Liquid in PBS containing 50% glycerol, and 0.37% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit serum by affinity-chromatograph using specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Serine/threonine-protein kinase 38 (EC 2.7.11.1) (NDR1 protein kinase) (Nucl Dbf2-related kinase 1) Observed Band Ubiquitously expressed with highest levels observed in peripheral blood leukocytes. Function catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium, enzyme regulation:Activated by binding S10B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation of Ser-281. Thr-444 then undergoes calcium-dependent phosphorylation by an upstream kinase. Interactions between the activation of the kinase. Autoinhibition is also released by the binding of MOB1/MOBK1A and MOB2/HCCA2 to the N-terminal of STK38, similarity:Belongs to the protein kinase. C+terminal of STK38, similarity:Belongs to the protein kinase. C+terminal		
Reactivity Human; Mouse;Rat Applications WB Gene Name STK38 NDR1 Protein Name NDR1/2 Immunogen Synthesized peptide derived from human NDR1/2 Specificity This antibody detects endogenous levels of NDR1/2 at Human, Mouse,Ra Formulation Liquid in PBS containing 50% glycerol, and 0.37% sodium azide. Source Polyclonal, Rabbit.lgG Purification The antibody was affinity-purified from rabbit serum by affinity-chromatograph using specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Serine/threonine-protein kinase 38 (EC 2.7.11.1) (NDR1 protein kinase) (Nucl Dbf2-related kinase 1) Observed Band Ubiquitously expressed with highest levels observed in peripheral blood leukocytes. Function catalytic activity.ATP + a protein = ADP + a phosphoproteincofactor:Magnesium.enzyme regulation:Activated by binding S100B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation by an upstream kinase.interactions betw phosphorylated Thr -444 and the Nobe promote additional structural changes calcium-dependent phosphorylation by an upstream kinase.interactions betw phosphorylated Thr -444 and the Nobe promote additional structural changes calcium-dependent phospho	Catalog No	BYab-12549
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Gene Name STK38 NDR1 Protein Name NDR1/2 Immunogen Synthesized peptide derived from human NDR1/2 Specificity This antibody detects endogenous levels of NDR1/2 at Human, Mouse,Rate Formulation Liquid in PBS containing 50% glycerol, and 0.37% sodium azide. Source Polyclonal, Rabbit.lgG Purification The antibody was affinity-purified from rabbit serum by affinity-chromatograph Using specific immunogen. Dilution WB 1:500-2000 Concentration Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Serine/threonine-protein kinase 38 (EC 2.7.11.1) (NDR1 protein kinase) (Nucl Dbf2-related kinase 1) Observed Band Ubiquitously expressed with highest levels observed in peripheral blood leukocytes. Function catalytic activity:ATP + a protein = ADP + a phosphoprolein, cofactor:Magnesium, enzyme regulation:Activated by binding S100B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation of Xer281. Th.r444 then undergoges calcium-dependent phosphorylation of Xer281. Th.r444 the	Reactivity	Human; Mouse;Rat
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Specificity This antibody detects endogenous levels of NDR1/2 at Human, Mouse,Ra Formulation Liquid in PBS containing 50% glycerol, and 0.37% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit serum by affinity-chromatograph using specific immunogen. Dilution WB 1:500-2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Serine/threonine-protein kinase 38 (EC 2.7.11.1) (NDR1 protein kinase) (Nucl Dbf2-related kinase 1) Observed Band Ubiquitously expressed with highest levels observed in peripheral blood leukocytes. Function catalytic activity:ATP + a protein = ADP + a phosphorptein, cofactor:Magnesium, enzyme regulation:Activated by binding 5100 which releases autonhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation by an upstream kinase. Interactions be two phosphorylated Thr-444 and the N-lobe promote additional structural changes calcium-dependent phosphorylation by an upstream kinase. Interaction see that complete the activation of the kinase superaming. ACC Ser/Thr pro kinase family.; similarity:Belongs to the protein kinase superaming.	Protein Name	NDR1/2
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Tissue SpecificityUbiquitously expressed with highest levels observed in peripheral blood leukocytes.Functioncatalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by binding S100B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation of Ser-281. Thr-444 then undergoes calcium-dependent phosphorylation by an upstream kinase. Interactions betw phosphorylated Thr-444 and the N-lobe promote additional structural changes that complete the activation of the kinase. Autoinhibition is also released by th binding of MOB1/MOBKL1A and MOB2/HCCA2 to the N-terminal of STK38.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr prot kinase family.,similarity:Contains 1 AGC-kinase C-terminal	Observed Band	
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domain., similarity: Contains 1 protein kinase domain., subceilular location: Low	Function	phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by binding of S100B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation of Ser-281. Thr-444 then undergoes calcium-dependent phosphorylation by an upstream kinase. Interactions between phosphorylated Thr-444 and the N-lobe promote additional structural changes that complete the activation of the kinase. Autoinhibition is also released by the binding of MOB1/MOBKL1A and MOB2/HCCA2 to the N-terminal of STK38.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein

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	levels present in the cytoplasm.,subunit:Homodimeric S100B binds two molecules of STK38. Interacts with MOB1 and MOB2.,ti
Background	This gene encodes a member of the AGC serine/threonine kinase family of proteins. The kinase activity of this protein is regulated by autophosphorylation and phosphorylation by other upstream kinases. This protein has been shown to function in the cell cycle and apoptosis. This protein has also been found to regulate the protein stability and transcriptional activity of the MYC oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015],
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.

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