

NDR2 rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A18148	Rabbit	1 mg/ml	54003

Applications	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat
Dilution	WB: 1:500 - 1:2000.IHC:1:50-300 ELISA: 1:20000. Not yet tested in other applications.
Storage	-20°C/1 year
Specificity	NDR2 Polyclonal Antibody detects endogenous levels of NDR2 protein.
Source / Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Immunogen	Synthesized peptide derived from NDR2 . at AA range: 380-460
Uniprot No	Q9Y2H1
Alternative names	STK38L; KIAA0965; NDR2; Serine/threonine-protein kinase 38-like; NDR2 protein kinase; Nuclear Dbf2-related kinase 2
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Clonality	Polyclonal
Isotype	IgG
Conjugation	
Background	<p>catalytic activity:ATP + a protein = ADP + a 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-282. Thr-442 then undergoes calcium-dependent phosphorylation by an upstream kinase. Interactions between phosphorylated Thr-442 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 STK38L.,function:Involved in the regulation of structural processes in differentiating and mature neuronal cells.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Associated with the actin cytoskeleton.,subunit:Homodimeric S100B binds two molecules of STK38L (By similarity). Interacts with MOB1 and MOB2.,tissue specificity:Ubiquitously expressed with highest levels observed in the thymus.,</p>

Product Images:**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All
Species Expected

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