

NDR2 Polyclonal Antibody

Cat No: HR1AP6400

For research use only

Overview

Product Name	NDR2 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	54kDa
GeneID?Human?	STK38L
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	STK38L; KIAA0965; NDR2; Serine/threonine-protein kinase 38-like; NDR2 protein kinase; Nuclear Dbf2-related kinase 2
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>