

NDR1/2 (Phospho Thr444/442) rabbit pAb

Catalog No :	YP1749
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	STK38
Gene Name :	STK38 NDR1
Protein Name :	NDR1/2 (Phospho-Thr444/442)
Human Gene Id :	11329
Human Swiss Prot No :	Q15208
Mouse Gene Id :	106504
Mouse Swiss Prot No :	Q91VJ4
Immunogen :	Synthesized peptide derived from human NDR1/2 (Phospho-Thr444/442)
Specificity :	This antibody detects endogenous levels of NDR1/2 (Phospho-Thr444/442) at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 51kD

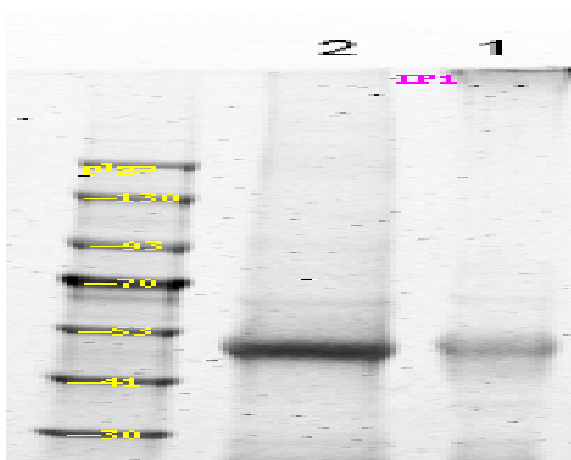
Background : This gene encodes a member of the AGC serine/threonine kinase family of proteins. The kinase activity of this protein is regulated by autophosphorylation and phosphorylation by other upstream kinases. This protein has been shown to function in the cell cycle and apoptosis. This protein has 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],

Function : 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-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 kinase family.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Low levels present in the cytoplasm.,subunit:Homodimeric S100B binds two molecules of STK38. Interacts with MOB1 and MOB2.,ti

Subcellular Location : Nucleus. Cytoplasm.

Expression : Ubiquitously expressed with highest levels observed in peripheral blood leukocytes.

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Western Blot analysis of 1 MCF-7 cell 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000