

NLK Polyclonal Antibody

Catalog No :	YN1253
Reactivity :	Human,Rat,Mouse
Applications :	WB,ELISA
Gene Name :	NLK LAK1
Protein Name :	Serine/threonine-protein kinase NLK (EC 2.7.11.24) (Nemo-like kinase) (Protein LAK1)
Human Gene Id :	51701
Human Swiss Prot No :	Q9UBE8
Mouse Swiss Prot No :	O54949
Rat Swiss Prot No :	D3ZSZ3
Immunogen :	Synthesized peptide derived from human protein . at AA range: 230-310
Specificity :	NLK Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Rabbit
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-20°C/1 year
Observed Band :	57

Cell Pathway : MAPK_ERK_Growth,MAPK_G_Protein,WNT,WNT-T CELLAdherens_Junction,

Background : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by tyrosine and threonine phosphorylation (By similarity). Activated by activin.,function:Role in cell fate determination, required for differentiation of bone marrow stromal cells. Acts downstream of MAP3K7 and HIPK2 to negatively regulate the canonical Wnt/beta-catenin signaling pathway and the phosphorylation and destruction of the MYB transcription factor. May suppress a wide range of transcription factors by phosphorylation of the coactivator, CREBBP (By similarity). Involved in TGFbeta-mediated mesoderm induction, acting downstream of MAP3K7/TAK1 to phosphorylate STAT3.,PTM:Dually phosphorylated on Thr-291 and Tyr-293, which activates the enzyme.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Predominantly nuclear. A smaller fraction is cytoplasmic.,subunit:Interacts with STAT3 (By similarity). Interacts with RNF138/NARF and TCF7L2/TCF4. Interacts with HIPK2 and MYB.,

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Subcellular Location : intracellular,nucleus,nucleoplasm,cytosol,

Expression : Amygdala,Placenta,T-cell,Uterus,

Products Images