



NLK Polyclonal Antibody

Catalog No	YP-Ab-06124
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	NLK LAK1
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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NLK;NLK LAK1;Serine/threonine-protein kinase NLK (EC 2.7.11.24) (Nemo-like kinase) (Protein LAK1)
Observed Band	57kD
Calculated Molecular Weight	57kD
Cell Pathway	Nucleus . Cytoplasm . Predominantly nuclear. A smaller fraction is cytoplasmic (By similarity). .
Tissue Specificity	Amygdala,Placenta,T-cell,Uterus,
Function	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:Contain

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.,

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.

Products Images