

NLK rabbit pAb

Cat No.:ES10199

For research use only

Overview

Product Name	NLK rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
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, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃ . Avoid repeated freeze-thaw cycles.
Protein Name	Serine/threonine-protein kinase NLK (EC 2.7.11.24) (Nemo-like kinase) (Protein LAK1)
Gene Name	NLK LAK1
Cellular localization	Nucleus . Cytoplasm . Predominantly nuclear. A smaller fraction is cytoplasmic (By similarity) .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	57kD
Human Gene ID	51701
Human Swiss-Prot Number	Q9UBE8
Alternative Names	
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.,

