

# NLK Polyclonal Antibody

Cat No: HR1AP11310

For research use only

## Overview

Product Name	NLK Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Rat,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	57kDa
GeneID?Human?	NLK LAK1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
Background	<p>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.,</p>