

NLK Rabbit pAb

CatalogNo: YN1253

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 57kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 230-310

Specificity NLK Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name NLK LAK1

Protein Name	Serine/threonine-protein kinase NLK (Nemo-like kinase) (Protein LAK1)		
	Organism	Gene ID	UniProt ID
	Human	51701 ;	Q9UBE8 ;
	Mouse		O54949 ;
	Rat		D3ZSZ3 ;
Cellular Localization	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: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.,		

| Validation Data

| Contact information

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