

## 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	<a href="#">51701</a> ;	<a href="#">Q9UBE8</a> ;
Mouse		<a href="#">O54949</a> ;
Rat		<a href="#">D3ZSZ3</a> ;

**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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**NLK Rabbit pAb**

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