

Rabbit anti-Human NLK Polyclonal Antibody | anti-NLK antibody

NLK Antibody

CATALOG # AAA231081	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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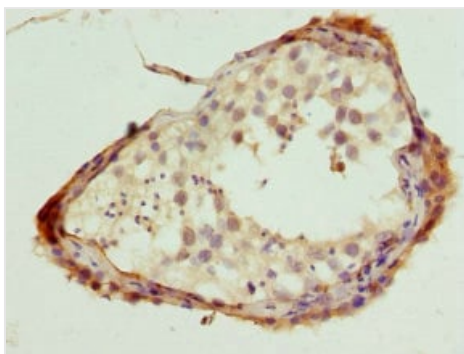
PRODUCT SYNONYMS

NLK; Polyclonal Antibody; NLK Antibody; Serine/threonine-protein kinase NLK; Nemo-like kinase; Protein LAK1; LAK1; anti-NLK antibody

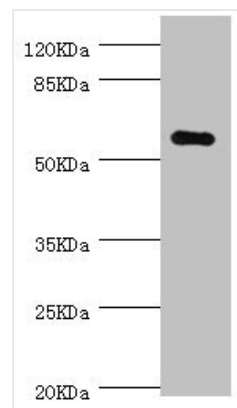
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	527
Applicable Applications for anti-NLK antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Serine/threonine-protein kinase NLK protein (C-250AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8210 / sc-28884
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis using AAA231081 at dilution 1:100


WB (Western Blot)

Western blotAll lanes: NLK antibody at 0.7ug/ml+MCF-7 whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 58kDaObserved band size: 58kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NLK antibody	Serine/threonine-protein kinase that regulates a number of transcription factors with key roles in cell fate determination. Positive effector of the non-canonical Wnt signaling pathway, acting downstream of WNT5A, MAP3K7/TAK1 and HIPK2. Activation of this pathway causes binding to and phosphorylation of the histone methyltransferase SETDB1. The NLK-SETDB1 complex subsequently interacts with PPARG, leading to methylation of PPARG target promoters at histone H3K9 and transcriptional silencing. The resulting loss of PPARG target gene transcription inhibits adipogenesis and promotes osteoblastogenesis in mesenchymal stem cells (MSCs). Negative regulator of the canonical Wnt/beta-catenin signaling pathway. Binds to and phosphorylates TCF7L2/TCF4 and LEF1, promoting the dissociation of the TCF7L2/LEF1/beta-catenin complex from DNA, as well as the ubiquitination and subsequent proteolysis of LEF1. Together these effects inhibit the transcriptional activation of canonical Wnt/beta-catenin target genes. Negative regulator of the Notch signaling pathway. Binds to and phosphorylates NOTCH1, thereby preventing the formation of a transcriptionally active ternary complex of NOTCH1, RBPJ/RBPSUH and MAML1. Negative regulator of the MYB family of transcription factors. Phosphorylation of MYB leads to its subsequent proteolysis while phosphorylation of MYBL1 and MYBL2 inhibits their interaction with the coactivator CREBBP. Other transcription factors may also be inhibited by direct phosphorylation of CREBBP itself. Acts downstream of IL6 and MAP3K7/TAK1 to phosphorylate STAT3, which is in turn required for activation of NLK by MAP3K7/TAK1. Upon IL1B stimulus, cooperates with ATF5 to activate the transactivation activity of C/EBP subfamily members. Phosphorylates ATF5 but also stabilizes ATF5 protein levels in a kinase-independent manner (PubMed:25512613).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	149408126
NCBI GeneID	51701
NCBI Accession #	NP_057315.3
NCBI GenBank Nucleotide #	NM_016231.4
UniProt Accession #	Q9UBE8; Q2PNI9; Q6P2A3; B2RCX1
Molecular Weight	58,283 Da
NCBI Official Full Name	serine/threonine-protein kinase NLK
NCBI Official Synonym Full Names	nemo like kinase
NCBI Official Symbol	NLK
NCBI Protein Information	serine/threonine-protein kinase NLK
UniProt Protein Name	Serine/threonine-protein kinase NLK
UniProt Gene Name	NLK
UniProt Entry Name	NLK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nlk-antibody-immunohistochemistry-western-blot-elisa/231081>