

DATASHEET

NLK Rabbit Polyclonal Antibody

CAT. NO. APA16295

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | NLK | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB, IHC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

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 . 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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|-----|----------------|
| WB | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

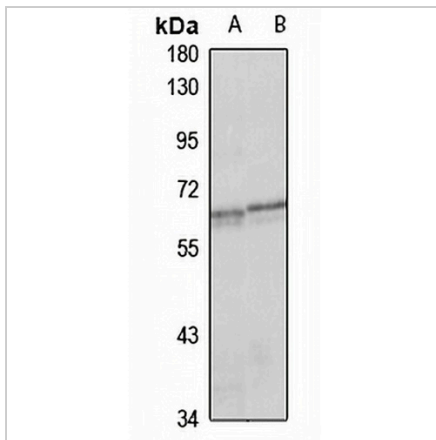
| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to NLK |
| Specificity | Recognizes endogenous levels of NLK protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human NLK. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 58 kD; Observed: 68 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | LAK1; Serine/threonine-protein kinase NLK; Nemo-like kinase; Protein LAK1 |
| Gene Symbol | NLK |
| Entrez Gene | 51701(Human); 18099(Mouse); 497961(Rat) |
| SwissProt | Q9UBE8(Human); O54949(Mouse); D3ZSZ3(Rat) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

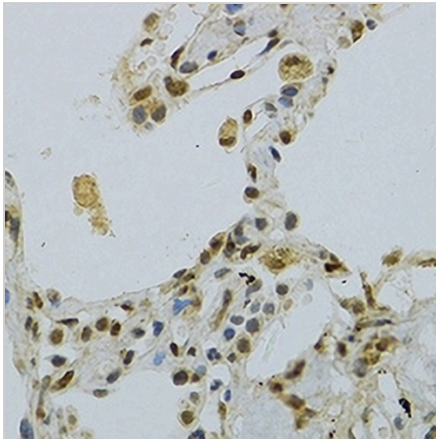
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of NLK expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 68 kD)



Immunohistochemical analysis of NLK staining in human lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.