

NLK monoclonal antibody

Catalog: MB67235

Host: Mouse

Reactivity: Human

BackGround:

Nemo-like kinase (NLK) is a serine/threonine-protein kinase that regulates multiple signaling pathways, including Wnt/ β -catenin, TGF β , IL-6, and Notch. NLK contributes to cell proliferation, differentiation, cell fate determination during early embryogenesis and nervous system development in vertebrates. Recent studies showed that NLK is aberrantly expressed in various types of cancer where it regulates cancer cell proliferation, migration, invasion and survival. NLK is localized predominantly in nucleus and at a lower level in cytoplasm. Homodimerization of NLK is required for its activation and nuclear localization. NLK is activated via intermolecular autophosphorylation at Thr286. NLK interacts with and phosphorylates a number of transcription factors including FOXO1, FOXO4, MYB, NOTCH1 and TCF7L2/TCF4, and LEF-1/TCF. NLK also associates with E3 ubiquitin ligase NARF and Raptor and regulates their function.

Product:

Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 70 kDa

Swiss-Prot:

Q9UBE8

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

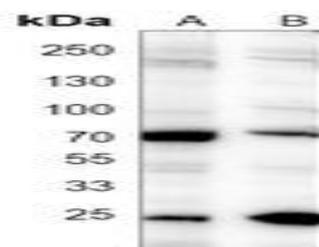
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of NLK protein.

DATA:



Western blot analysis of NLK expression in SiHa (A), HeLa (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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