Product Datasheet

NLK antibody

Catalog No: #38629

Package Size: #38629-1 50ul #38629-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

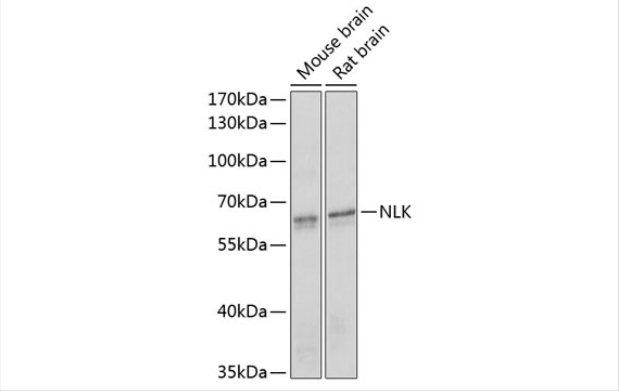
Description

Product Name	NLK antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total NLK protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human NLK.
Target Name	NLK
Other Names	NLK;LAK1; Protein LAK1; DKFZp761G1211; FLJ21033;
Accession No.	Swiss-Prot#: Q9UBE8NCBI Gene ID: 51701
Uniprot	Q9UBE8
GeneID	51701;
SDS-PAGE MW	58kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

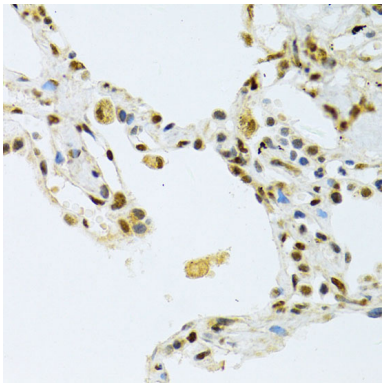
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

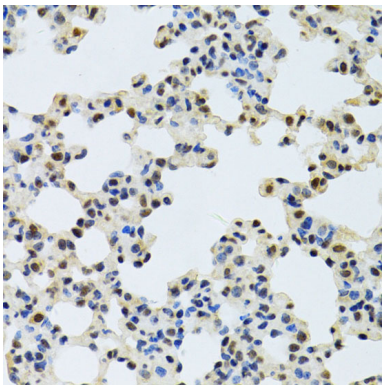
Images



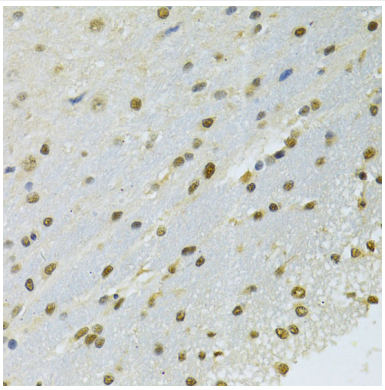
Western blot analysis of extracts of various cell lines, using NLK at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human lung using NLK at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using NLK at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using NLK at dilution of 1:100 (40x lens).

Background

The activation of signal transduction pathways by growth factors, hormones and neurotransmitters is mediated through two closely related MAP kinases, p44 and p42, designated extracellular-signal related kinase 1 (ERK 1) and ERK 2, respectively. ERK proteins are regulated by dual phosphorylation at specific tyrosine and threonine sites mapping within a characteristic Thr-Glu-Tyr motif. Phosphorylation at both Thr-183 and Tyr-185 is required for full enzymatic activation. In response to activation, MAP kinases phosphorylate downstream components on serine and threonine (5,6). Nlk, or nemo-like kinase, is a murine homolog of the Drosophila nemo (nmo) gene. Nlk and Nmo have sequence homology to both the ERK MAP kinases and the cyclin dependent kinases. Nlk is a nuclear protein with the ability to autophosphorylate.

Note: This product is for in vitro research use only