

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NEK6



Numéro de catalogue: 10378-1-AP

Phare

3 Publications

Informations de base

Numéro de catalogue:
10378-1-AP

Taille:
150ul, Concentration: 300 µg/ml by
Nanodrop and 200 µg/ml by Bradford
method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0266

Numéro d'acquisition GenBank:
BC000101

Identification du gène (NCBI):
10783

Nom complet:
NIMA (never in mitosis gene a)-
related kinase 6

MW calculé

35 kDa

MW observés:

35-45 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IF 1:50-1:500

Applications

Applications testées:
IF, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, rat, singe, souris

Espèces citées:
Humain

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules HT-1080

IF : cellules HeLa,

Informations générales

The *Aspergillus nidulans* 'never in mitosis A' (NIMA) is a serine/ threonine kinase that controls initiation of mitosis, whereas its inactivation is necessary for mitotic exit. NIMA-related kinases (NEKs) are a group of protein kinases that are homologous to NIMA. Evidence suggests that NEKs perform functions similar to those of NIMA. Human NIMA-related kinase 6 (NEK6, synonym: SID6-1512) is comprised of 338 amino acids and shows both nuclear and cytoplasmic localizations in HeLa cells. NEK6 is required for mitotic progression of human cells. NEK6 is phosphorylated and activated during M phase. Inhibition of Nek6 function by either overexpression of an inactive Nek6 mutant or elimination of endogenous Nek6 by siRNA arrests cells in M phase and triggers apoptosis. Recombinant human NEK6 protein produced in insect cells effectively phosphorylates histones H1 and H3, but not casein. Thus, these results suggest that, unlike other mammalian NIMA-related kinases, NEK6 is a mitotic histone kinase which regulates chromatin condensation in mammalian cells. NEK6 transcripts are ubiquitously expressed with the highest expression found in the heart and skeletal muscle, and the hNek6 gene is localized to human chromosome 9q33-34. NEK6 has four isoforms with MW 35-40 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xin Jun Wang	35402517	Front Mol Biosci	WB
Zhongshi Hong	35096064	J Oncol	WB
Min Zhu	37426517	Int J Gen Med	WB,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azotate de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

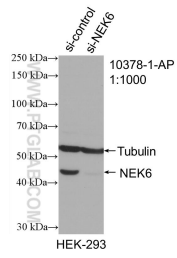
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

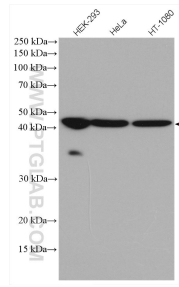
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

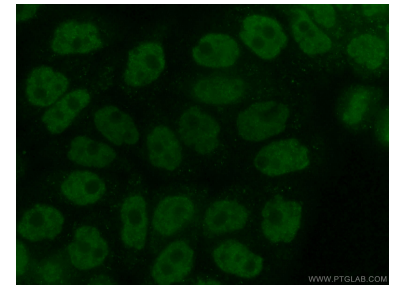
Données de validation sélectionnées



WB result of NEK6 antibody (10378-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NEK6 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10378-1-AP (NEK6 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10378-1-AP (NEK6 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).