

NEK9 Polyklonaler Antikörper

Katalog-Nr.: 11192-1-AP

1 Publikationen

Allgemeine Informationen

Katalog-Nr.:

11192-1-AP

Größe:

150ul, Konzentration: 750 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG1678

GenBank-Zugangsnummer:

BC009336

GeneID (NCBI):

91754

Vollständiger Name:

NIMA (never in mitosis gene a)-related kinase 9

Berechnete Masse:

107 kDa

Beobachtete Masse:

120 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:9000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IHC 1:50-1:500

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human

Positivkontrollen:

WB: HeLa-Zellen, HepG2-Zellen, humanes Plazenta-Gewebe

IP: HeLa-Zellen,

IHC: humanes Lymphomgewebe,

IF: HepG2-Zellen,

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

NEK9 is also named as KIAA1995, NEK8, NERCC and belongs to the NEK Ser/Thr protein kinase family. It is originally identified as αβ-casein kinase that associates with a putative substrate Bicc2. It is also independently identified as a Nek6- and Ran GTPase-binding protein under a different name, NERCC1 (PMID:14660563). Nek9, together with the highly similar (80% identical) Nek6 and Nek7, form a signaling module that is activated during mitosis and involved in the regulation of the mitotic spindle. The endogenous Nek9 (with predicted molecular mass of 120 kDa) has an apparent molecular mass of 600 kDa, also compatible with a tetramer (PMID:21454704).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Andrea M Brum	30283877	JBMR Plus	IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

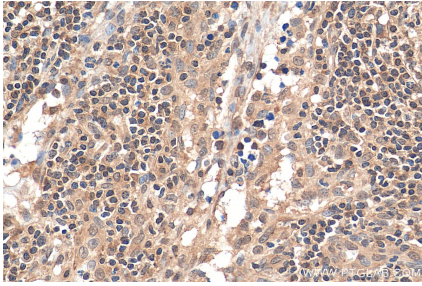
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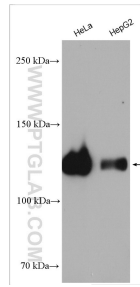
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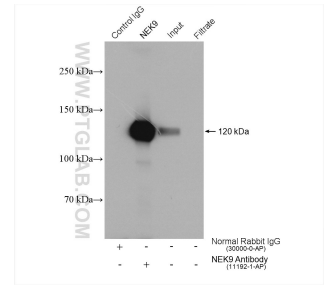
Ausgewählte Validierungsdaten



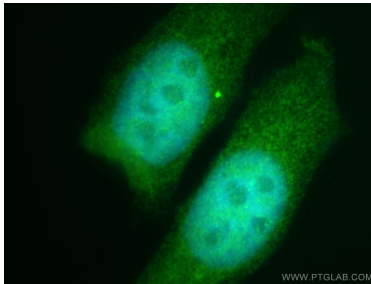
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11192-1-AP (NEK9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



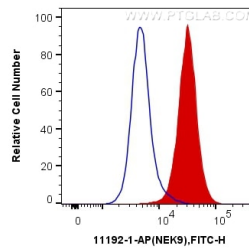
Various lysates were subjected to SDS PAGE followed by western blot with 11192-1-AP (NEK9 antibody) at dilution of 1:4500 incubated at room temperature for 1.5 hours.



IP result of anti-NEK9 (IP:11192-1-AP, 4ug; Detection:11192-1-AP 1:1000) with HeLa cells lysate 1880 ug.



Immunofluorescent analysis of HepG2 cells, using NEK9 antibody 11192-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human NEK9 (11192-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).