

For Research Use Only

NEK7 Polyclonal antibody

Catalog Number: 31422-1-AP



Basic Information

Catalog Number:

31422-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33629

GenBank Accession Number:

NM_133494

GeneID (NCBI):

140609

UNIPROT ID:

Q8TDX7

Full Name:

NIMA (never in mitosis gene a)-related kinase 7

Calculated MW:

35

Observed MW:

32-35 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:12000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : C6 cells, HeLa cells, Jurkat cells, NIH/3T3 cells

Background Information

Mammalian NIMA-related kinases (NEKs) represent a family of serine/threonine kinases, named NEK1-NEK11, which are implicated in the control of several aspects of mitosis and are involved in non-mitotic functions (PMID: 33364979). NIMA-related kinase 7 (NEK7) is the smallest NIMA-related kinase (NEK) in mammals. NEK7 is identified as a highly conserved serine or threonine kinase, which is not only crucial for mitosis entry, cell cycle progression, cell division, and mitotic process, but also expressed in brain, heart, lung, liver, spleen, and other tissues (PMID: 31787755).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

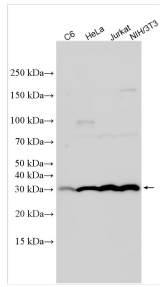
For technical support and original validation data for this product please contact:

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31422-1-AP (NEK7 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.