

For Research Use Only

# NEK4 Recombinant antibody

Catalog Number: 84654-4-RR



## Basic Information

Catalog Number:

84654-4-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34929

GenBank Accession Number:

BC063044

GeneID (NCBI):

6787

UNIPROT ID:

P51957

Full Name:

NIMA (never in mitosis gene a)-related kinase 4

Calculated MW:

781 aa, 88 kDa

Observed MW:

95-100 kDa

Purification Method:

Protein A purification

CloneNo.:

242081B9

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : A549 cells, HEK-293T cells, HeLa cells, NCI-H1299 cells

IHC : mouse testis tissue,

## Background Information

Neks (NIMA-related kinases) are a group of serine-threonine kinases that are related to NIMA, their ortholog from *Aspergillus nidulans*, which is essential for cells to enter in mitosis. NEK4 was initially identified as STK2, from serine/threonine kinase 2, in a study using a kinase specific cDNA library from human breast cancer tumors or breast cancer cells.

## 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

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

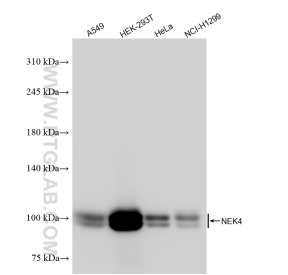
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

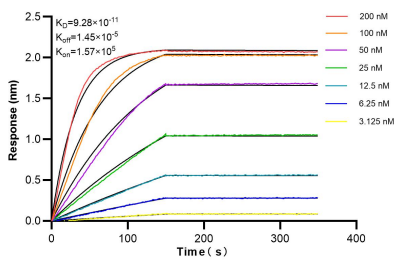
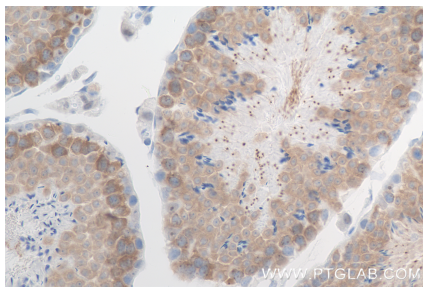
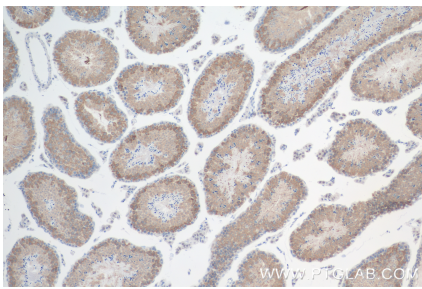
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84654-4-RR (NEK4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84654-4-RR against Human NEK4 were performed. The affinity constant is 92.8 pM.