

For Research Use Only

NEK4 Recombinant antibody, PBS Only

Catalog Number: 84654-4-PBS



Basic Information

Catalog Number:

84654-4-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

Storage Buffer:

PBS Only

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

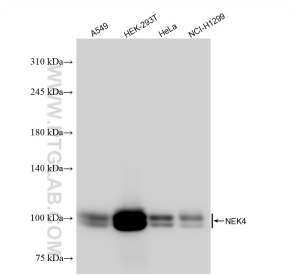
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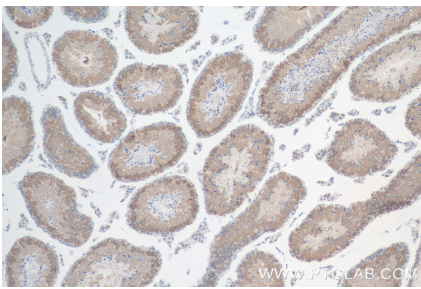
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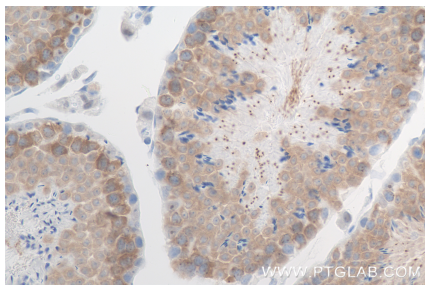
Selected Validation Data



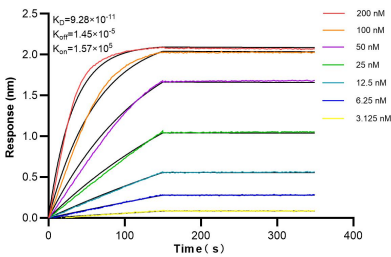
Various lysates were subjected to SDS PAGE followed by western blot with 84654-4-RR (NEK4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84654-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 84654-4-RR (NEK4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84654-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 84654-4-RR (NEK4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84654-4-PBS in a different storage buffer formulation.



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