

For Research Use Only

NEK4 Recombinant antibody

Catalog Number: 84654-4-RR



Basic Information

Catalog Number: 84654-4-RR	GenBank Accession Number: BC063044	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6787	CloneNo.: 242081B9
Source: Rabbit	UNIPROT ID: P51957	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:250-1:1000
Isotype: IgG	Full Name: NIMA (never in mitosis gene a)-related kinase 4	
Immunogen Catalog Number: AG34929	Calculated MW: 781 aa, 88 kDa	
	Observed MW: 95-100 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : A549 cells, HEK-293T cells, HeLa cells, NCI-H1299 cells
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	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

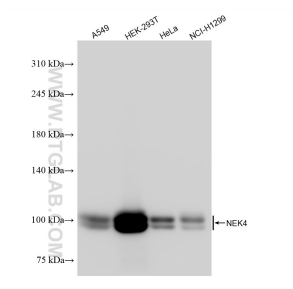
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

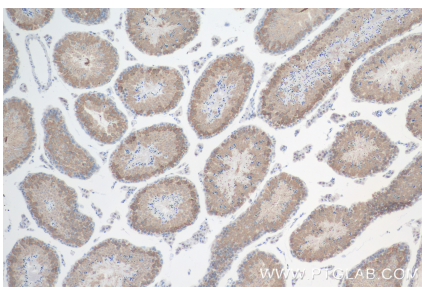
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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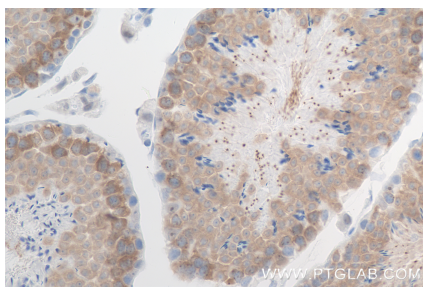
Selected Validation Data



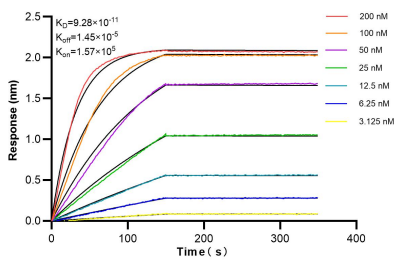
Various lysates were subjected to SDS PAGE followed by western blot with 84654-4-RR (NEK4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).



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).



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