

For Research Use Only

# NEK4 Polyclonal antibody, PBS Only

Catalog Number: 31389-1-PBS



## Basic Information

**Catalog Number:**

31389-1-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:**

Antigen affinity Purification

## 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

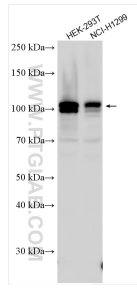
For technical support and original validation data for this product please contact:

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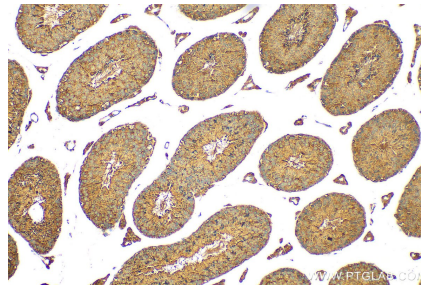
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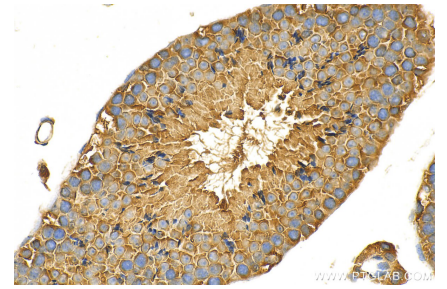
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31389-1-AP (NEK4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31389-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 31389-1-AP (NEK4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31389-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 31389-1-AP (NEK4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31389-1-PBS in a different storage buffer formulation.