

**Mouse Nek4 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14273a****Specification**

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**Mouse Nek4 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Z1J2</a>
Other Accession	<a href="#">P51957</a> , <a href="#">NP_035979.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	88994
Antigen Region	74-101

**Mouse Nek4 Antibody (N-term) - Additional Information****Gene ID** 23955**Other Names**

Serine/threonine-protein kinase Nek4, Never in mitosis A-related kinase 4, NimA-related protein kinase 4, Serine/threonine-protein kinase 2, Nek4, Stk2

**Target/Specificity**

This Mouse Nek4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-101 amino acids from the N-terminal region of mouse Nek4.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Nek4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Nek4 Antibody (N-term) - Protein Information****Name** Nek4**Synonyms** Stk2

**Function** Required for normal entry into proliferative arrest after a limited number of cell divisions, also called replicative senescence. Required for normal cell cycle arrest in response to double-stranded DNA damage (By similarity). Protein kinase that seems to act exclusively upon threonine residues.

**Cellular Location**

Cytoplasm. Cell projection, cilium {ECO:0000250|UniProtKB:P51957}

**Tissue Location**

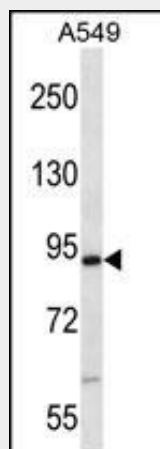
Expressed ubiquitously among various organs and is up-regulated in the testis.

**Mouse Nek4 Antibody (N-term) - Protocols**

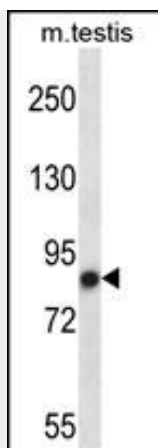
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Mouse Nek4 Antibody (N-term) - Images**



Mouse Nek4 Antibody (N-term) (Cat. #AP14273a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the Nek4 antibody detected the Nek4 protein (arrow).



Mouse Nek4 Antibody (N-term) (Cat. #AP14273a) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the Nek4 antibody detected the Nek4 protein (arrow).

#### **Mouse Nek4 Antibody (N-term) - Background**

Nek4 seems to act exclusively upon threonine residues.

#### **Mouse Nek4 Antibody (N-term) - References**

Doles, J., et al. Cancer Res. 70(3):1033-1041(2010)  
Forrest, A.R., et al. Genome Res. 13 (6B), 1366-1375 (2003) :  
Hayashi, K., et al. Biochem. Biophys. Res. Commun. 264(2):449-456(1999)  
Chen, A., et al. Gene 234(1):127-137(1999)