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Mouse Nek4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14273a

Product Information

Application	WB, E
Primary Accession	Q9Z1J2
Other Accession	P51957, NP_035979.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34846
Calculated MW	88994
Antigen Region	74-101

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 E~~Use at an assay dependent concentration.
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.

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.

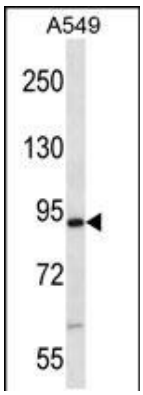
Background

Nek4 seems to act exclusively upon threonine residues.

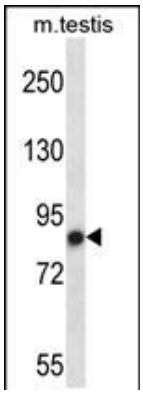
References

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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)
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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.