

Rabbit anti-Human, Mouse Nek4 Polyclonal Antibody | anti-Nek4 antibody

Mouse Nek4 Antibody (N-term)

CATALOG # AAA289002	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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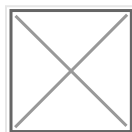
PRODUCT SYNONYMS

Nek4; Polyclonal Antibody; Mouse Nek4 Antibody (N-term); Serine/threonine-protein kinase Nek4; Never in mitosis A-related kinase 4; NimA-related protein kinase 4; Serine/threonine-protein kinase 2; Stk2; anti-Nek4 antibody

PRODUCT SPECIFICATIONS

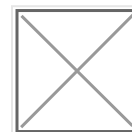
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Nek4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-101 amino acids from the N-terminal region of mouse Nek4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	74-101
Sequence Length	744
Applicable Applications for anti-Nek4 antibody	ELISA, WB (Western Blot)
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.
Preparation and 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.

IMAGES



WB (Western Blot)

Mouse Nek4 Antibody (N-term) (AAA289002) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the Nek4 antibody detected the Nek4 protein (arrow).



WB (Western Blot)

Mouse Nek4 Antibody (N-term) (AAA289002) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the Nek4 antibody detected the Nek4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Nek4 antibody	Nek4 seems to act exclusively upon threonine residues.
Product Categories/Family for anti-Nek4 antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754822
NCBI GeneID	23955
NCBI Accession #	NP_035979.1
NCBI GenBank Nucleotide #	NM_011849.3
UniProt Accession #	Q9Z1J2 ; O35673 ; Q9R1J1
Molecular Weight	88994
NCBI Official Full Name	serine/threonine-protein kinase Nek4 isoform 1
NCBI Official Synonym Full Names	NIMA (never in mitosis gene a)-related expressed kinase 4
NCBI Official Symbol	Nek4
NCBI Official Synonym Symbols	Stk2
NCBI Protein Information	serine/threonine-protein kinase Nek4
UniProt Protein Name	Serine/threonine-protein kinase Nek4
UniProt Gene Name	Nek4
UniProt Synonym Gene Names	Stk2; NimA-related protein kinase 4
UniProt Entry Name	NEK4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nek4-antibody-western-blot-elisa/289002>