

Rabbit anti-Human, mouse NEK4 Polyclonal Antibody | anti-NEK4 antibody

NEK4 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288808	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

NEK4; Polyclonal Antibody; NEK4 Antibody (C-term); Serine/threonine-protein kinase Nek4; Never in mitosis A-related kinase 4; NimA-related protein kinase 4; Serine/threonine-protein kinase 2; Serine/threonine-protein kinase NRK2; STK2; anti-NEK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NEK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 793-824 amino acids from the C-terminal region of human NEK4.
Purity/Purification	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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	793-824
Sequence Length	752
Applicable Applications for anti-NEK4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-NEK4 Pab in Y79 cell line lysates (35ug/lane). NEK4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NEK4 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.
Product Categories/Family for anti-NEK4 antibody	Signal Transduction
References	Levedakou, E.N., et al., Oncogene 9(7):1977-1988 (1994). Lu, K.P., et al., Prog Cell Cycle Res 1, 187-205 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	302058308
NCBI GeneID	6787
NCBI Accession #	NP_001180462.1 ; NP_003148.2
NCBI GenBank Nucleotide #	NM_001193533.1
UniProt Accession #	P51957 ; Q6P576 ; A5YM70 ; B2R633 ; B7Z200
Molecular Weight	94597
NCBI Official Full Name	serine/threonine-protein kinase Nek4 isoform 2
NCBI Official Synonym Full Names	NIMA-related kinase 4
NCBI Official Symbol	NEK4
NCBI Official Synonym Symbols	NRK2; STK2; pp12301
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; NimaA-related protein kinase 4
UniProt Entry Name	NEK4_HUMAN

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-immunohistochemistry-western-blot-elisa/288808>