

Rabbit NEK1 Polyclonal Antibody | anti-NEK1 antibody

NEK1 Antibody (C-term)

CATALOG # AAA285676	HOST Rabbit	REACTIVITY Human, hamster (Predicted Reactivity: Mouse)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

NEK1; Polyclonal Antibody; NEK1 Antibody (C-term); Serine/threonine-protein kinase Nek1; Never in mitosis A-related kinase 1; NimA-related protein kinase 1; Renal carcinoma antigen NY-REN-55; KIAA1901; anti-NEK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, hamster (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NEK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1165-1196 amino acids from the C-terminal region of human NEK1.
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1165-1196
Sequence Length	1286
Applicable Applications for anti-NEK1 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 DAB 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)

The anti-NEK1 Pab is used in Western blot to detect NEK1 in CHO cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-NEK1 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-NEK1 antibody	Cell Biology; Signal transduction
References	Surpili, M.J., et al., Biochemistry 42(51):15369-15376 (2003). Scanlan, M.J., et al., Int. J. Cancer 83(4):456-464 (1999). Letwin, K., et al., EMBO J. 11(10):3521-3531 (1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	313661426
NCBI GeneID	4750
NCBI Accession #	NP_001186326.1; NP_001186327.1; NP_001186328.1; NP_001186329.1; NP_036356.1
NCBI GenBank Nucleotide #	NM_001199397.1
UniProt Accession #	Q96PY6; Q05DG5; Q14CB7; Q5H9T1; Q6PIB8; Q96SS2; Q9H6P7; Q9Y594; G5E9Z3
Molecular Weight	142828
NCBI Official Full Name	serine/threonine-protein kinase Nek1 isoform 1
NCBI Official Synonym Full Names	NIMA-related kinase 1
NCBI Official Symbol	NEK1
NCBI Official Synonym Symbols	SRPS2; SRTD6; SRPS2A; NY-REN-55
NCBI Protein Information	serine/threonine-protein kinase Nek1
UniProt Protein Name	Serine/threonine-protein kinase Nek1
UniProt Gene Name	NEK1
UniProt Synonym Gene Names	KIAA1901; NimA-related protein kinase 1
UniProt Entry Name	NEK1_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/nek1-antibody-immunohistochemistry-western-blot-elisa/285676>