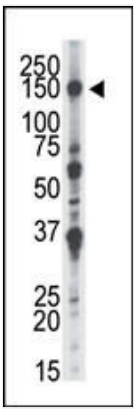
NEK1 Antibody – Rabbit Polyclonal

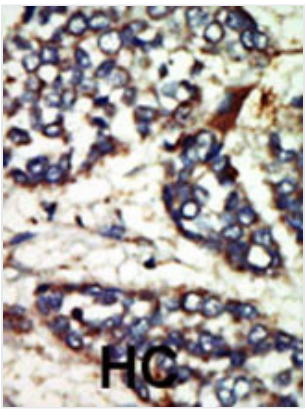
PRODUCT OVERVIEW

Product Name	NEK1, Polyclonal Antibody
Full Product Name	NEK1, CT (Never in Mitosis A-related Kinase 1, NimA-related Protein Kinase 1, KIAA1901, MGC138800, NY-REN-55, Renal Carcinoma Antigen NY-REN-55, Serine/threonine Protein Kinase Nek1) (FITC)
Product Gene Name	anti-NEK1 antibody
Product Synonym Names	NIMA (Never in Mitosis Gene A)-related Kinase 1; DKFZp686D06121; DKFZp686K12169; EC=2.7.11.1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Hamster
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human NEK1. Species Crossreactivity: hamster.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	142,828 Da
OMIM	604588
3D Structure	ModBase 3D Structure for Q96PY6
Immunogen	Synthetic peptide selected from the C-terminal region of human NEK1 (KLH).
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-NEK1 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-NEK1 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-NEK1 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-NEK1 antibody	MBS6489685 is an antibody targeting NEK1. Also known as NEK1, CT (Never in Mitosis A-related Kinase 1, NimA-related Protein Kinase 1, KIAA1901, MGC138800, NY-REN-55, Renal Carcinoma Antigen NY-REN-55, Serine/threonine Protein Kinase Nek1) (FITC). Reactive in Human, Hamster. Host: Rabbit.
Product References and Citations for anti-NEK1 antibody	1. Surpili, M.J., et al., Biochemistry 42(51):15369-15376 (2003). 2. Scanlan, M.J., et al., Int. J. Cancer 83(4):456-464 (1999). 3. Letwin, K., et al., EMBO J. 11(10):3521-3531 (1992).

Other Notes	Small volumes of anti-NEK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NEK1 antibody
The anti-NEK1 Pab is used in Western blot to detect NEK1 in CHO cell lysate.



Immunohistochemistry (IHC) of anti-NEK1 antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEK1. It may not necessarily be applicable to this product.

NCBI GI #	313661426
NCBI GeneID	4750
NCBI Accession #	NP_001186326.1
UniProt Primary Accession #	Q96PY6
UniProt Secondary Accession #	Q05DG5; Q14CB7; Q5H9T1; Q6PIB8; Q96SS2; Q9H6P7; Q9Y594; G5E9Z3
UniProt Related Accession #	Q96PY6
GenBank Nucleotide #	NM_001199397.1
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
UniProt Protein Name	Serine/threonine-protein kinase Nek1
UniProt Synonym Protein Names	Never in mitosis A-related kinase 1; NimA-related protein kinase 1; Renal carcinoma antigen NY-REN-55
Protein Family	Probable serine/threonine-protein kinase
UniProt Gene Name	NEK1
UniProt Synonym Gene Names	KIAA1901; NimA-related protein kinase 1
UniProt Entry Name	NEK1_HUMAN
NCBI Protein Information	serine/threonine-protein kinase Nek1; nimA-related protein kinase 1; protein-serine/threonine kinase; renal carcinoma antigen NY-REN-55; never in mitosis A-related kinase 1; NIMA (never in mitosis gene a)-related kinase 1

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