NEK7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NEK7, Polyclonal Antibody
Full Product Name	NEK7 Antibody
Product Gene Name	anti-NEK7 antibody
Product Synonym Names	NEK7; Serine/threonine-protein kinase Nek7; Never in mitosis A-related kinase 7; NimA-related protein kinase 7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	34,551 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (198126108..198291550). Location: 1q31.3
OMIM	606848
3D Structure	ModBase 3D Structure for Q8TDX7
Immunogen	Synthesized peptide derived from the Internal region of human Nek7.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-NEK7 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NEK7 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-NEK7 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 ELISA: 1:40000
Related Product Information for anti-NEK7 antibody	MBS7119038 is an antibody targeting NEK7. Also known as NEK7 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-NEK7 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEK7. It may not necessarily be applicable to this product.

NCBI GI #	19424132

NCBI GeneID	140609
NCBI Accession #	NP_598001.1
UniProt Primary Accession #	Q8TDX7
UniProt Secondary Accession #	A6NGT8
UniProt Related Accession #	Q8TDX7
GenBank Nucleotide #	NM_133494.2
NCBI Official Full Name	serine/threonine-protein kinase Nek7
NCBI Official Synonym Full Names	NIMA-related kinase 7
NCBI Official Symbol	NEK7
UniProt Protein Name	Serine/threonine-protein kinase Nek7
UniProt Synonym Protein Names	Never in mitosis A-related kinase 7
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	NEK7
UniProt Synonym Gene Names	NimA-related protein kinase 7
UniProt Entry Name	NEK7_HUMAN
NCBI Protein Information	serine/threonine-protein kinase Nek7; nimA-related protein kinase 7; never in mitosis A-related kinase 7; NIMA (never in mitosis gene a)-related kinase 7
NCBI Summary for NEK7	NIMA-related kinases share high amino acid sequence identity with the gene product of the Aspergillus nidulans 'never in mitosis A' gene, which controls initiation of mitosis.[supplied by OMIM, Jul 2002]
UniProt Comments for NEK7	NEK7: a protein kinase of the NEK family. Phosphorylates and activates p70S6 kinase. Protein type: Protein kinase, Ser/Thr (non-receptor); Kinase, protein; Protein kinase, Other; EC 2.7.11.1; Other group; NEK family Chromosomal Location of Human Ortholog: 1q31.3 Cellular Component: nucleoplasm; spindle pole; microtubule; cytoplasm; microtubule organizing center Molecular Function: protein serine/threonine kinase activity; metal ion binding; ATP binding Biological Process: regulation of mitotic cell cycle; cytokinesis; regulation of signal transduction; spindle assembly; protein amino acid phosphorylation
Research Articles on NEK7	**1.** NEK7 is essential for PCM accumulation in a cell cycle stage-specific manner.
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