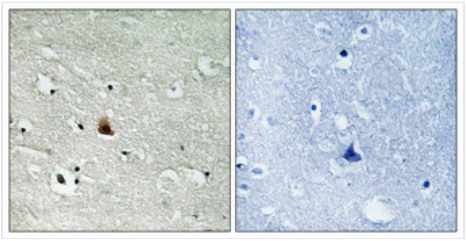
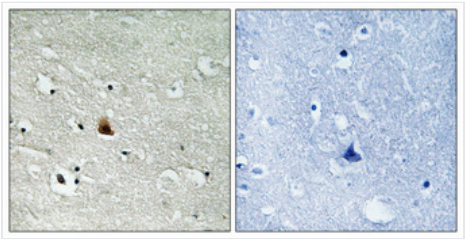
NEK9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Nek9, Polyclonal Antibody
Full Product Name	Nek9 (phospho Thr210) Polyclonal Antibody
Product Gene Name	anti-NEK9 antibody
Product Synonym Names	NEK9; KIAA1995; NEK8; NERCC; Serine/threonine-protein kinase Nek9; Nercc1 kinase; Never in mitosis A-related kinase 9; NimA-related protein kinase 9; NimA-related kinase 8; Nek8
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	107,168 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (75548818..75593778, complement). Location: 14q24.3
OMIM	609798
3D Structure	ModBase 3D Structure for Q8TD19
Applications Tested/Suitable for anti-NEK9 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF)
Related Product Information for anti-NEK9 antibody	Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. Phosphorylates different histones, myelin basic protein, beta-casein, and BICD2. Phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues. Important for G1/S transition and S phase progression. Phosphorylates NEK6 and NEK7 and stimulates their activity by releasing the autoinhibitory functions of Tyr-108 and Tyr-97 respectively.
Other Notes	Small volumes of anti-NEK9 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.
Searchable Terms for NEK9 purchase	MBS9242247 is an antibody targeting NEK9. Also known as Nek9 (phospho Thr210) Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Wester Blot (WB) of anti-NEK9 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.



Immunohistochemistry (IHC)-Paraffin of anti-NEK9 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEK9. It may not necessarily be applicable to this product.

NCBI GI #	222136641
NCBI GeneID	91754
NCBI Accession #	NP_149107.4
UniProt Primary Accession #	Q8TD19
UniProt Secondary Accession #	Q52LK6; Q8NCN0; Q8TCY4; Q9UPI4; Q9Y6S4; Q9Y6S5; Q9Y6S6
UniProt Related Accession #	Q8TD19
GenBank Nucleotide #	NM_033116.4
NCBI Official Full Name	serine/threonine-protein kinase Nek9
NCBI Official Synonym Full Names	NIMA-related kinase 9
NCBI Official Symbol	NEK9
NCBI Official Synonym Symbols	Nek8; NERCC; NERCC1
UniProt Protein Name	Serine/threonine-protein kinase Nek9
UniProt Synonym Protein Names	Nercc1 kinase; Never in mitosis A-related kinase 9; NimA-related protein kinase 9; NimA-related kinase 8
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	NEK9
UniProt Synonym Gene Names	KIAA1995; NEK8; NERCC; NimA-related protein kinase 9; Nek8
UniProt Entry Name	NEK9_HUMAN
NCBI Protein Information	serine/threonine-protein kinase Nek9; nercc1 kinase; nimA-related kinase 8; NIMA-related kinase Nek8; nimA-related protein kinase 9; never in mitosis A-related kinase 9; NIMA (never in mitosis gene a)- related kinase 9
UniProt Comments for NEK9	NEK9: a protein kinase related to the NIMA (never in mitosis, gene A) serine/threonine kinase of Aspergillus nidulans. Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. Protein type: Protein kinase, Other; Autophagy; Kinase, protein; Protein kinase, Ser/Thr (non-receptor); EC 2.7.11.1; Other group; NEK family Chromosomal Location of Human Ortholog: 14q24.3 Cellular Component: nucleus; cytosol Molecular Function: protein serine/threonine kinase activity; protein binding; metal ion binding; protein kinase binding; ATP binding Biological Process: mitosis; cell division; mitotic nuclear envelope disassembly; mitotic cell cycle; protein amino acid phosphorylation
Research Articles on NEK9	**1.** Nek9 phosphorylates NEDD1 on Ser377 driving its recruitment and thereby that of gamma-tubulin to the centrosome in mitotic cells.
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