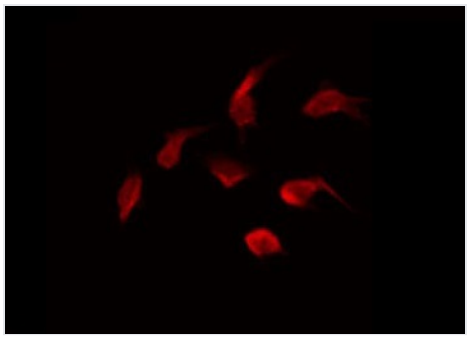
NEK5 Antibody – Rabbit Polyclonal

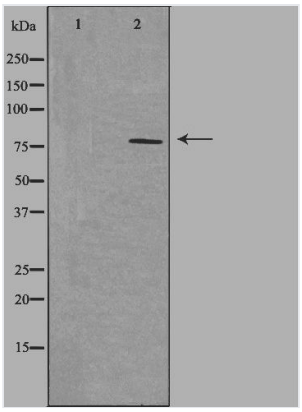
PRODUCT OVERVIEW

Product Name	NEK5, Polyclonal Antibody
Full Product Name	NEK5 Antibody
Product Gene Name	anti-NEK5 antibody
Product Synonym Names	MGC75495; NEK5; NEK5_HUMAN; Never in mitosis A-related kinase 5; NIMA (never in mitosis gene a) related kinase 5; NIMA related kinase 5; NimA related protein kinase 5; NimA-related protein kinase 5; OTTHUMP00000040896; Serine/threonine protein kinase Nek5; Serine/threonine-protein kinase Nek5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	NEK5 antibody detects endogenous levels of total NEK5
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	NEK5 peptide (MBS9624637) is used for blocking the activity of NEK5 antibody (MBS9605920)
Molecular Weight	Observed: 80 kD Predicted: 82 kDa
3D Structure	ModBase 3D Structure for Q6P3R8
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (88%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NEK5 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-NEK5 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-NEK5 antibody	Function: ATP + a protein = ADP + a phosphoprotein. Similarity: Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily.
Other Notes	Small volumes of anti-NEK5 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 NEK5 purchase	MBS9605920 is an antibody targeting NEK5. Also known as NEK5 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunofluorescence (IF) of anti-NEK5 antibody
MBS9605920 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-NEK5 antibody
Western blot analysis of extracts from HepG2 cells using NEK5 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEK5. It may not necessarily be applicable to this product.

NCBI GI #	83627721
NCBI GeneID	341676
NCBI Accession #	NP_954983.1
UniProt Primary Accession #	Q6P3R8
UniProt Secondary Accession #	Q5TAP5
UniProt Related Accession #	Q6P3R8
GenBank Nucleotide #	NM_199289.2
NCBI Official Full Name	serine/threonine-protein kinase Nek5 isoform 1
NCBI Official Synonym Full Names	NIMA related kinase 5
NCBI Official Symbol	NEK5
UniProt Protein Name	Serine/threonine-protein kinase Nek5
UniProt Synonym Protein Names	Never in mitosis A-related kinase 5; NimA-related protein kinase 5
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	NEK5
UniProt Synonym Gene Names	NimA-related protein kinase 5
NCBI Protein Information	serine/threonine-protein kinase Nek5
Research Articles on NEK5	**1.** The hNek5 is mitochondrial localization and its role on cell death and cell respiration defects through COX11, MTX2 and BCLAF1.
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