

Rabbit anti-Human, Mouse Nek9 Polyclonal Antibody | anti-Nek9 antibody

Nek9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322565	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

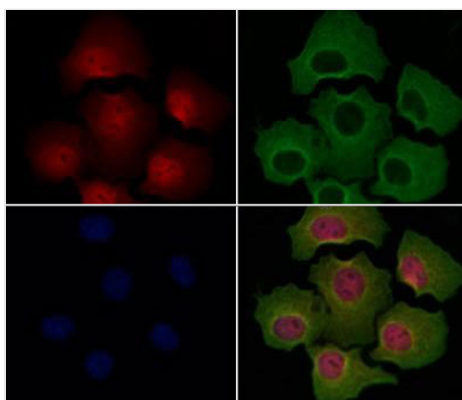
PRODUCT SYNONYMS

Nek9; Polyclonal Antibody; Nek9 Antibody; KIAA1995; APUG; DKFZp434D0935; LCCS10; MGC138306; MGC16714; NC; NEK 9; Nek8; nek9; NEK9_HUMAN; Nercc 1 kinase; NERCC; NERCC1; Nercc1 kinase; Never in mitosis A related kinase 9; Never in mitosis A-related kinase 9; NIMA (never in mitosis gene a) related kinase 9; NIMA related kinase 8; NIMA related kinase 9; NIMA related kinase Nek8; NimA related protein kinase 9; NIMA-related kinase 8; NimA-related protein kinase 9; Serine/threonine protein kinase Nek9; Serine/threonine-protein kinase Nek9; anti-Nek9 antibody

PRODUCT SPECIFICATIONS

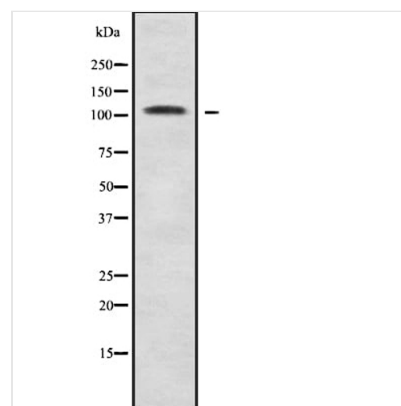
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	Nek9 Antibody detects endogenous levels of total Nek9.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Nek9 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Nek9, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C.

IMAGES



IF (Immunofluorescence)

AAA322565 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA322565 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



WB (Western Blot)

Western blot analysis Nek9 using A549 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti- Nek9 antibody	Function: 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. Subunit Structure: Homodimer. Binds to Ran GTPase. Has a greater affinity for Ran-GDP over Ran-GTP. Interacts with NEK6, NEK7 and BICD2. Interacts with SSRP1 and SUPT16H, the 2 subunits of the FACT complex. Interacts with DYNLL1; phosphorylation at Ser-944 strongly reduces DYNLL1 binding. Post-translational Modifications: Autophosphorylated on serine and threonine residues (PubMed:27153399). When complexed with FACT, exhibits markedly elevated phosphorylation on Thr-210. During mitosis, not phosphorylated on Thr-210. Phosphorylated by CDK1 in vitro. Similarity: Dimerizes through its coiled-coil domain. Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1042779817
NCBI GeneID	91754
NCBI Accession #	NP_001316166.1
NCBI GenBank Nucleotide #	NM_001329237.1
UniProt Accession #	Q8TD19; Q52LK6; Q8NCN0; Q8TCY4; Q9UPI4; Q9Y6S4; Q9Y6S5; Q9Y6S6
Molecular Weight	107kDa
NCBI Official Full Name	serine/threonine-protein kinase Nek9 isoform 1
NCBI Official Synonym Full Names	NIMA related kinase 9
NCBI Official Symbol	NEK9
NCBI Official Synonym Symbols	NC; APUG; NERCC; LCCS10; NERCC1
NCBI Protein Information	serine/threonine-protein kinase Nek9
UniProt Protein Name	Serine/threonine-protein kinase Nek9
UniProt Gene Name	NEK9
UniProt Synonym Gene Names	KIAA1995; NEK8; NERCC; NimA-related protein kinase 9; Nek8

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/nek9-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322565>