

Mouse NEK9 Monoclonal Antibody | anti-NEK9 antibody

NEK9 antibody

CATALOG # AAA107091	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

NEK9; Monoclonal Antibody; NEK9 antibody; Monoclonal NEK9; Anti-NEK9; Nima; Never In Mitosis Gene A-Related Kinase 9; DKFZp434D0935; MGC138306; MGC16714; NERCC; NERCC1; Nek8; NEK 9; NEK-9; anti-NEK9 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	7G7
Purity/Purification	NEK9 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	979
Applicable Applications for anti-NEK9 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	NEK9 is a pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. NEK9 phosphorylates different histones, myelin basic protein, beta-casein, and BICD2. NEK9 phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues. Important for G1/S transition and S phase progression.
Cross-Reactivity	Human
Immunogen	NEK9 antibody was raised in mouse using a full length recombinant protein of human NEK9 (NP_149107) produced in HEK293 cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant NEK9 protein using NEK9 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NEK9 protein (Right) or empty vector (Left) detected with NEK9 antibody



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant NEK9 protein (red) or empty vector (blue) stained using NEK9 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NEK9 antibody	Mouse monoclonal NEK9 antibody
Product Categories/Family for anti-NEK9 antibody	Cell Cycle & Cell Death

NCBI AND UNIPROT INFORMATION

NCBI GI #	222136641
NCBI GeneID	91754
NCBI Accession #	NP_149107
NCBI GenBank Nucleotide #	NM_033116.4
UniProt Accession #	Q8TD19; Q52LK6; Q8NCN0; Q8TCY4; Q9UPI4; Q9Y6S4; Q9Y6S5; Q9Y6S6
Molecular Weight	107,168 Da
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
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
UniProt Entry Name	NEK9_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/nek9-antibody-clone-7g7-western-blot-immunofluorescence-flow-cytometry-elisa/107091>