

Mouse anti-Human NEK11 Monoclonal Antibody

NEK11 (Serine/Threonine-protein Kinase Nek11, Never in Mitosis A-related Kinase 11, NimA-related Protein Kinase 11, FLJ23495)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14794	Mouse	Human	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

NEK11; Monoclonal Antibody; NEK11 (Serine/Threonine-protein Kinase Nek11; Never in Mitosis A-related Kinase 11; NimA-related Protein Kinase 11; FLJ23495); Anti -NEK11 (Serine/Threonine-protein Kinase Nek11; anti-NEK11 antibody)

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4E1-1F4
Specificity	Recognizes human NEK11.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MLKFQEAAKC VSGSTAISTY PKTLIARRYV LQQKLGSGSF GTVYLVSDKK AKRGEELKVL KEISVGELNP NETVQANLEA QLLSKLDHPA IVKFHASFVE QDNFCIITEY CEGRDLDDKI QEYKQAGKIF PENQIIIEWFI QLLLGVDYMH ERRILHRDLK SKNVFLKNNL LKIGDFGVSR LLMGSCDLAT TLTGTPHYMS PEALKHQGYD TKSDIWSLAC ILYEMCCMNH AFAGSNFLSI VLKIVEGDTP SLPERYPKEL NAIMESMLNK NPSLRPSAIE ILKIPYLDEQ LQNLDCRYSE MTLEDKNLDC QKEAAHIINA MQKRIHLQTL RALSEVQKMT PRERMRLRKL QAADEKARKL KKIVEEKYEE NSKRMQELRS RNFQQLSVDV LHEKTHLKGM EEKEEQPEGR LSCSPQDEDE ERWQGREGES DEPTLENLPE SQPIPSMDLH ELESIVEDAT SDLGYHGDCN LISLDEYWKN EK
Applicable Applications for anti-NEK11 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml
Immunogen	Full length recombinant corresponding to aa1-483 from human NEK11 (AAH28587) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)
NEK11 monoclonal antibody. Western Blot analysis of NEK11 expression in A-431.



WB (Western Blot)
NEK11 monoclonal antibody, Western Blot analysis of NEK11 expression in HL-60.



Application Data
Detection limit for recombinant GST tagged NEK11 is 0.1ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to NEK11 on HeLa cell. [antibody concentration 10ug/ml].



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to NEK11 on formalin-fixed paraffin-embedded human endometrium tissue. [antibody concentration 3ug/ml].



WB (Western Blot)
Western Blot analysis of NEK11 expression in transfected 293T cell line by NEK11 monoclonal antibody. Lane 1: NEK11 transfected lysate (55.5kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-NEK11 antibody	Protein kinase which plays an important role in the G2/M checkpoint response to DNA damage. Controls degradation of CDC25A by directly phosphorylating it on residues whose phosphorylation is required for BTRC-mediated polyubiquitination and degradation.
Product Categories/Family for anti-NEK11 antibody	Antibodies; Abs to Protein Kinases

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.