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NEK11 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NEK11.
Catalog # AT3014a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q8NG66
Other Accession	BC028587
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4E1-1F4
Calculated MW	74192

Additional Information

Gene ID	79858
Other Names	Serine/threonine-protein kinase Nek11, Never in mitosis A-related kinase 11, NimA-related protein kinase 11, NEK11 (HGNC:18593)
Target/Specificity	NEK11 (AAH28587, 1 a.a. ~ 482 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NEK11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

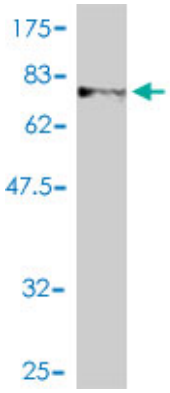
This gene encodes a member of the never in mitosis gene A family of kinases. The encoded protein localizes to the nucleoli, and may function with NEK2A in the S-phase checkpoint. The encoded protein appears to play roles in DNA replication and response to genotoxic stress. Alternatively spliced transcript variants have been described.

References

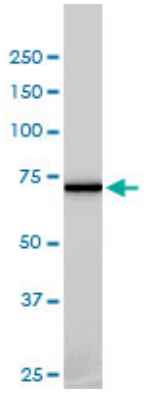
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.NEK11: linking CHK1 and CDC25A in DNA

damage checkpoint signaling. S?rensen CS, et al. Cell Cycle, 2010 Feb 1. PMID 20090422.NEK11 regulates CDC25A degradation and the IR-induced G2/M checkpoint. Melixetian M, et al. Nat Cell Biol, 2009 Oct. PMID 19734889.Molecular genetics of successful smoking cessation: convergent genome-wide association study results. Uhl GR, et al. Arch Gen Psychiatry, 2008 Jun. PMID 18519826.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.

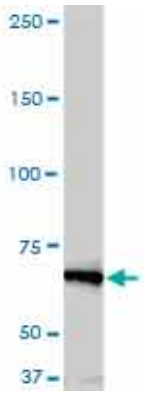
Images



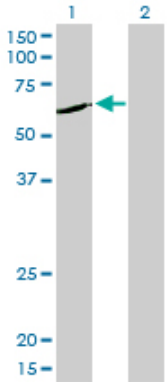
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (78.54 KDa) .



NEK11 monoclonal antibody (M01), clone 4E1-1F4
Western Blot analysis of NEK11 expression in HL-60 ((Cat # AT3014a)

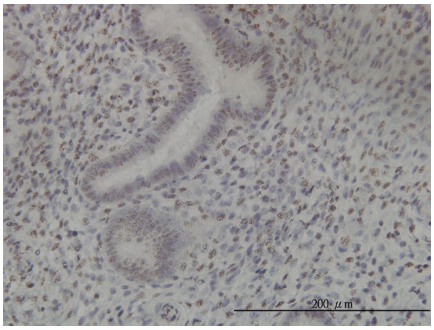


NEK11 monoclonal antibody (M01), clone 4E1-1F4.
Western Blot analysis of NEK11 expression in A-431 ((Cat # AT3014a)

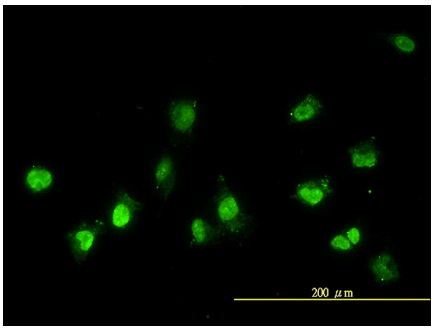


Western Blot analysis of NEK11 expression in transfected 293T cell line by NEK11 monoclonal antibody (M01), clone 4E1-1F4.

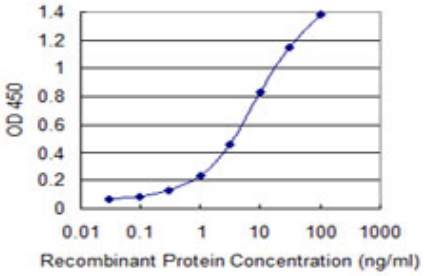
Lane 1: NEK11 transfected lysate(55.5 KDa).
Lane 2: Non-transfected lysate.



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.