10320 Camino Santa Fe, Suite G
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NEK11 Antibody (monoclonal) (M01)

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

Specification

NEK11 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q8NG66
Other Accession	BC028587
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**74192**

NEK11 Antibody (monoclonal) (M01) - 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

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.

NEK11 Antibody (monoclonal) (M01) - Protocols

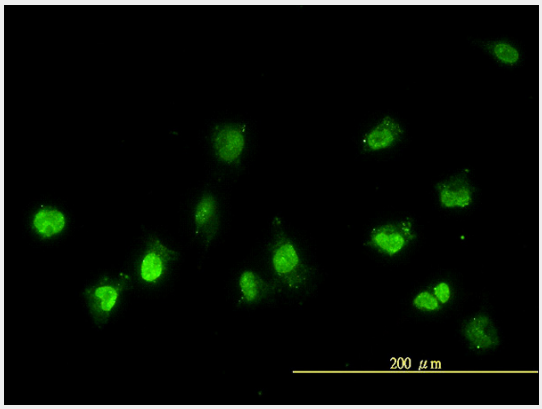
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

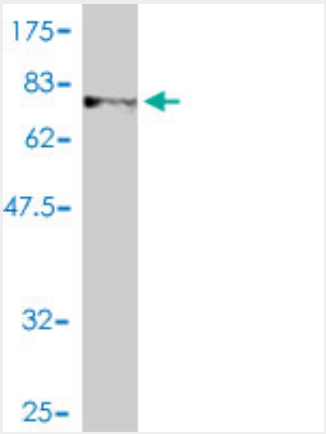
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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

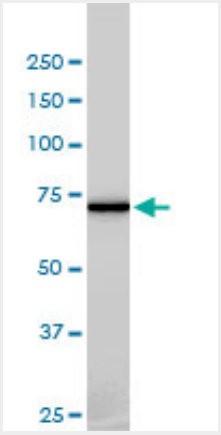
NEK11 Antibody (monoclonal) (M01) - Images



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

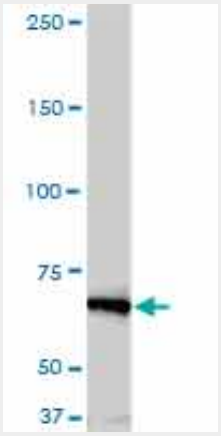


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (78.54 KDa) .

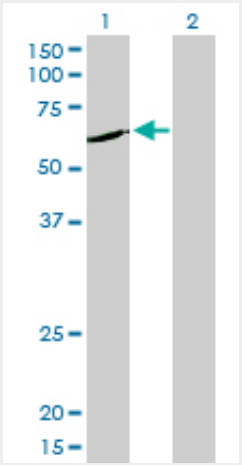


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NEK11 monoclonal antibody (M01), clone 4E1-1F4 Western Blot analysis of NEK11 expression in HL-60 ((Cat # AT3014a)

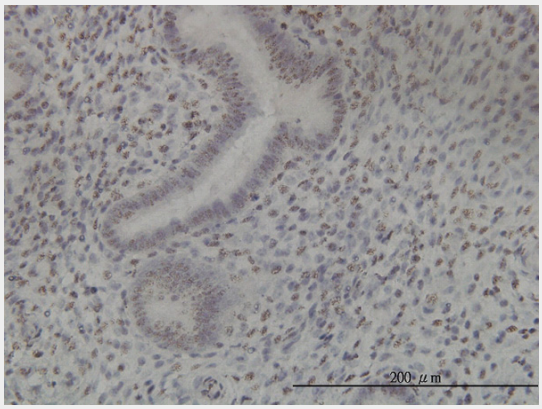


NEK11 monoclonal antibody (M01), clone 4E1-1F4. Western Blot analysis of NEK11 expression in A-431 ((Cat # AT3014a)



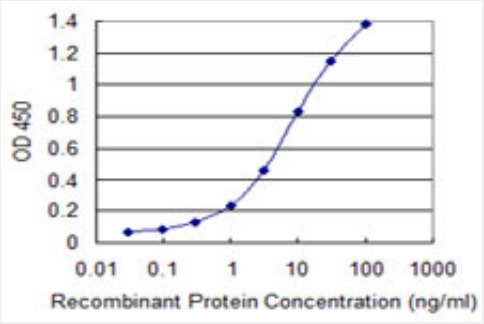
Western Blot analysis of NEK11 expression in transfected 293T cell line by NEK11 monoclonal antibody (M01), clone 4E1-1F4.

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]

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

NEK11 Antibody (monoclonal) (M01) - 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.

NEK11 Antibody (monoclonal) (M01) - 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.