

NEK2 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant NEK2.****Catalog # AT3015a****Specification**

NEK2 Antibody (monoclonal) (M02) - Product Information

Application	WB, IF, E
Primary Accession	P51955
Other Accession	BC043502
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	51763

NEK2 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 4751**Other Names**

Serine/threonine-protein kinase Nek2, HSPK 21, Never in mitosis A-related kinase 2, NimA-related protein kinase 2, NimA-like protein kinase 1, NEK2, NEK2A, NLK1

Target/Specificity

NEK2 (AAH43502, 331 a.a. ~ 445 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

NEK2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

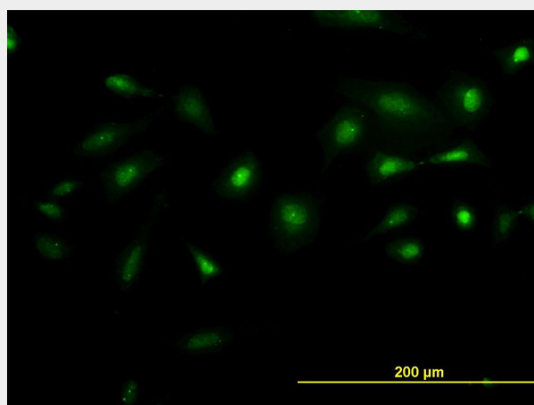
NEK2 Antibody (monoclonal) (M02) - Protocols

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

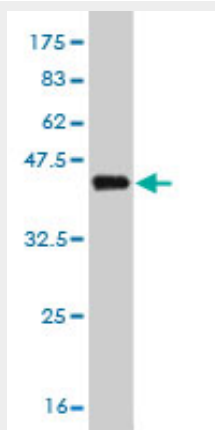
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

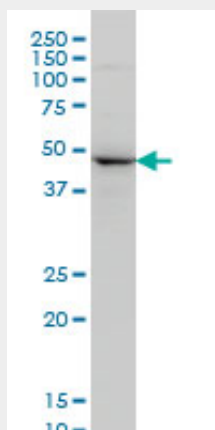
NEK2 Antibody (monoclonal) (M02) - Images



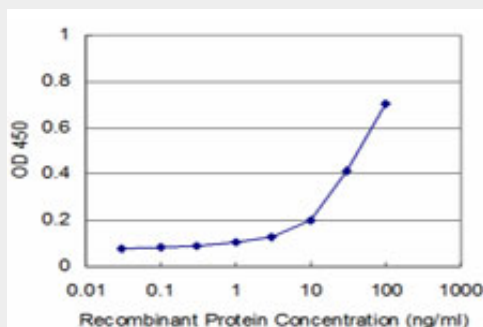
Immunofluorescence of monoclonal antibody to NEK2 on HeLa cell. [antibody concentration 30 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.28 KDa) .



NEK2 monoclonal antibody (M02), clone 2F9 Western Blot analysis of NEK2 expression in PC-12 (Cat # AT3015a)



Detection limit for recombinant GST tagged NEK2 is approximately 3ng/ml as a capture antibody.

NEK2 Antibody (monoclonal) (M02) - References

Involvement of a centrosomal protein kendrin in the maintenance of centrosome cohesion by modulating Nek2A kinase activity. Matsuo K, et al. Biochem Biophys Res Commun, 2010 Jul 23. PMID 20599736. The Ras oncogene signals centrosome amplification in mammary epithelial cells through cyclin D1/Cdk4 and Nek2. Zeng X, et al. Oncogene, 2010 Sep 9. PMID 20581865. Centrosome-related genes, genetic variation, and risk of breast cancer. Olson JE, et al. Breast Cancer Res Treat, 2010 May 28. PMID 20508983. Three genetic developmental stages of papillary renal cell tumors: duplication of chromosome 1q marks fatal progression. Szponar A, et al. Int J Cancer, 2009 May 1. PMID 19123481. Nek2 as a novel molecular target for the treatment of breast carcinoma. Tsunoda N, et al. Cancer Sci, 2009 Jan. PMID 19038001.