

MKNK1 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a full length recombinant MKNK1.

Catalog # AT2873a

Specification

MKNK1 Antibody (monoclonal) (M08) - Product Information

Application	IF, WB, IHC, E
Primary Accession	Q9BUB5
Other Accession	BC002755
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	51342

MKNK1 Antibody (monoclonal) (M08) - Additional Information

Gene ID 8569

Other Names

MAP kinase-interacting serine/threonine-protein kinase 1, MAP kinase signal-integrating kinase 1, MAPK signal-integrating kinase 1, Mnk1, MKNK1, MNK1

Target/Specificity

MKNK1 (AAH02755.1, 1 a.a. ~ 465 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

MKNK1 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

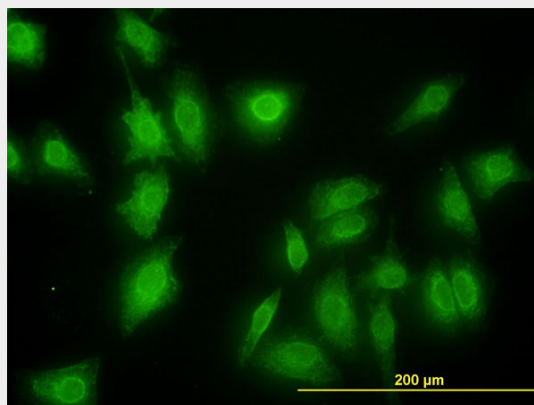
MKNK1 Antibody (monoclonal) (M08) - Protocols

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

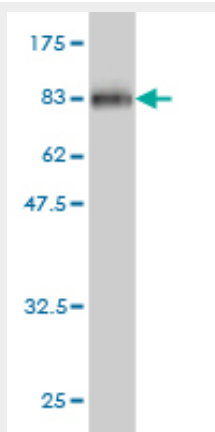
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

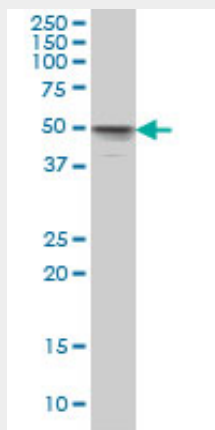
MKNK1 Antibody (monoclonal) (M08) - Images



Immunofluorescence of monoclonal antibody to MKNK1 on HeLa cell. [antibody concentration 10 ug/ml]

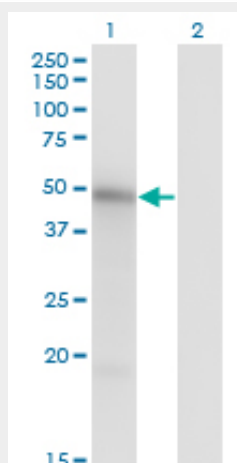


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (76.89 KDa) .



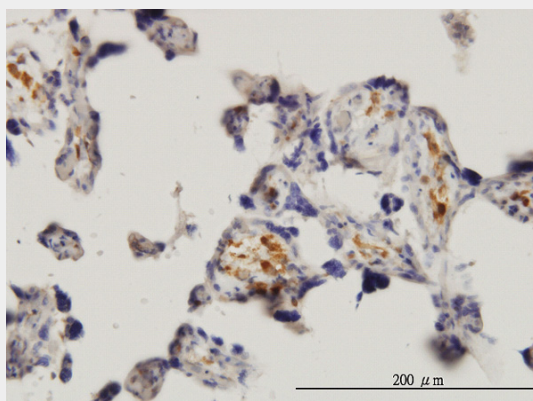
MKNK1 monoclonal antibody (M08), clone 2H8 Western Blot analysis of MKNK1 expression in

HeLa ((Cat # AT2873a)

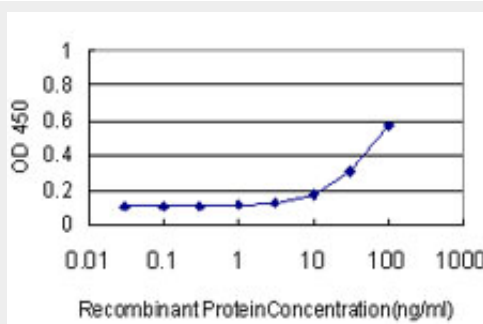


Western Blot analysis of MKNK1 expression in transfected 293T cell line by MKNK1 monoclonal antibody (M08), clone 2H8.

Lane 1: MKNK1 transfected lysate(51.3 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to MKNK1 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged MKNK1 is approximately 3ng/ml as a capture antibody.

MKNK1 Antibody (monoclonal) (M08) - 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. The C-terminal domain of

Mnk1a plays a dual role in tightly regulating its activity. Goto S, et al. Biochem J, 2009 Sep 25. PMID 19650764. Inhibition of mammalian target of rapamycin induces phosphatidylinositol 3-kinase-dependent and Mnk-mediated eukaryotic translation initiation factor 4E phosphorylation. Wang X, et al. Mol Cell Biol, 2007 Nov. PMID 17724079. Characterization of the activity of human MAP kinase-interacting kinase Mnk1b. O'Loughlin A, et al. Biochim Biophys Acta, 2007 Sep. PMID 17590453. Elevated inorganic phosphate stimulates Akt-ERK1/2-Mnk1 signaling in human lung cells. Chang SH, et al. Am J Respir Cell Mol Biol, 2006 Nov. PMID 16763222.