

MKNK1 Antibody (monoclonal) (M14)

Mouse monoclonal antibody raised against a full length recombinant MKNK1.

Catalog # AT2874a

Specification

MKNK1 Antibody (monoclonal) (M14) - Product Information

Application	WB, IHC, IF
Primary Accession	O9BUB5
Other Accession	BC002755
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	51342

MKNK1 Antibody (monoclonal) (M14) - 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

IHC~~1:100~500

IF~~1:50~200

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) (M14) is for research use only and not for use in diagnostic or therapeutic procedures.

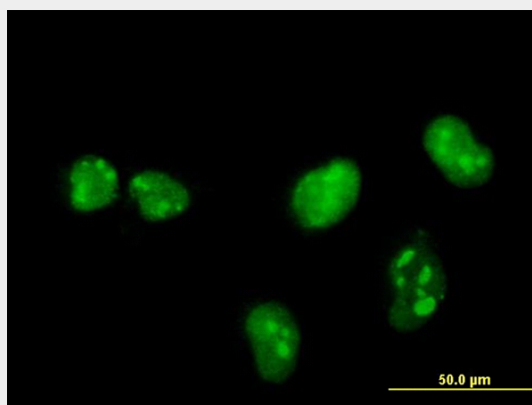
MKNK1 Antibody (monoclonal) (M14) - Protocols

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

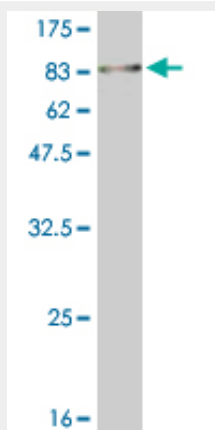
- [Western Blot](#)

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

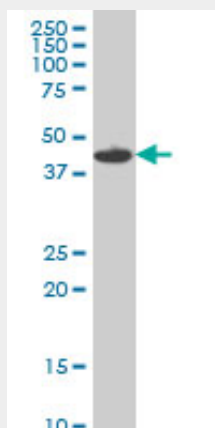
MKNK1 Antibody (monoclonal) (M14) - Images



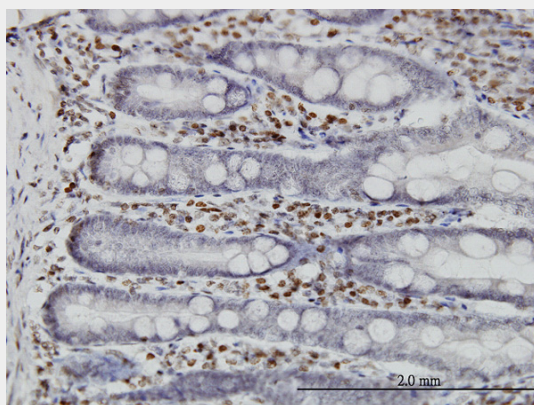
Immunofluorescence of monoclonal antibody to MKNK1 on HeLa cell. [antibody concentration 10 ug/ml]



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



MKNK1 monoclonal antibody (M14), clone 2F12. Western Blot analysis of MKNK1 expression in Raw 264.7. (Isoform : 51.342, 47.402, 39.103 kD)



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

MKNK1 Antibody (monoclonal) (M14) - 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.