

## MKNK1 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a full length recombinant MKNK1.

Catalog # AT2873a

### Product Information

---

<b>Application</b>	WB, IHC, IF, E
<b>Primary Accession</b>	<a href="#">Q9BUB5</a>
<b>Other Accession</b>	<a href="#">BC002755</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	2H8
<b>Calculated MW</b>	51342

### Additional Information

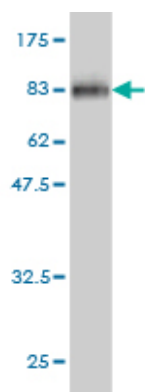
---

<b>Gene ID</b>	8569
<b>Other Names</b>	MAP kinase-interacting serine/threonine-protein kinase 1, MAP kinase signal-integrating kinase 1, MAPK signal-integrating kinase 1, Mnk1, MKNK1, MNK1
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	MKNK1 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

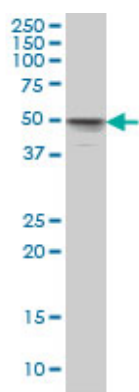
### References

---

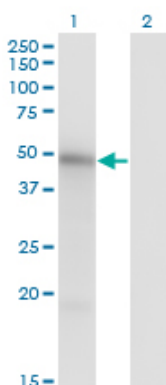
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. The C-terminal domain of Mnk1a plays a dual role in tightly regulating its activity. Goto S, et al. Biochem J, 2009 Sep 25. PMID 19650764. 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'Loughlen 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.



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

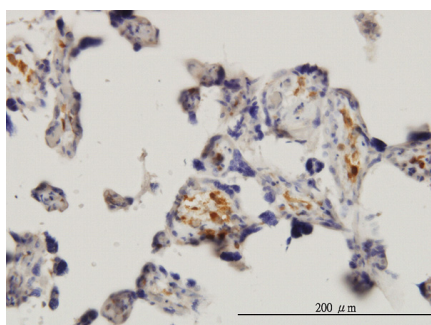


MKNK1 monoclonal antibody (M08), clone 2H8 Western Blot analysis of MKNK1 expression in HeLa ( Cat # AT2873a )



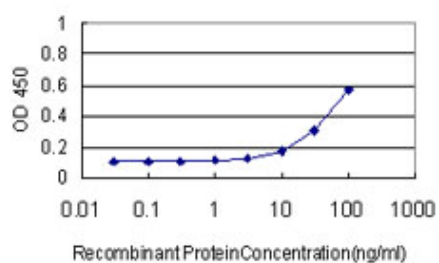
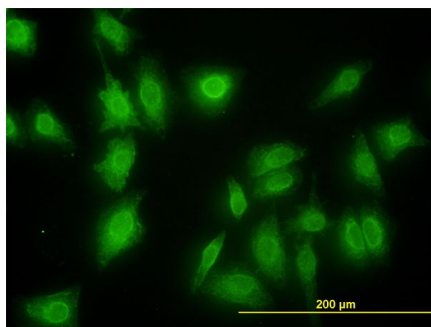
Western Blot analysis of MKNK1 expression in transfected 293T cell line by MKNK1 monoclonal antibody (M08), clone 2H8.

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]

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



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

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