

Product datasheet for **AM31082PU-N**

MNK1 (MKNK1) (1-466) Mouse Monoclonal Antibody [Clone ID: 2H8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2H8
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Immunofluorescence: 10 µg/ml. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1/500 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	MKNK1 (AAH02755, 1 a.a. ~ 466 a.a) full length recombinant protein with GST tag
Specificity:	This antibody reacts to full length MKNK1 / MNK1.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	MAP kinase interacting serine/threonine kinase 1
Database Link:	Entrez Gene 8569 Human Q9BUB5
Background:	MNK1 is an MNK protein kinase that is activated in response to mitogens/insulin by ERK1 and ERK2, or in response to stress by activated p38. MNK1 phosphorylates eIF4E to enhance the translation rates of cap-containing mRNAs.



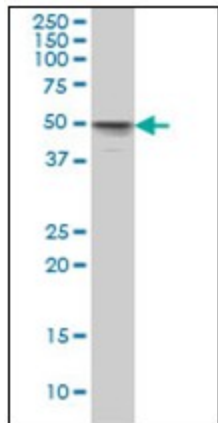
[View online »](#)

Synonyms: MNK1, MAP kinase-interacting serine/threonine-protein kinase 1

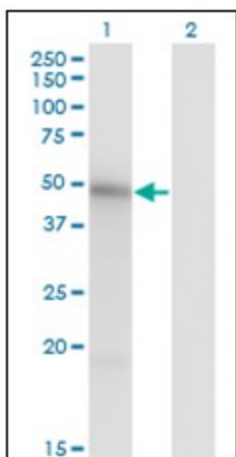
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Insulin signaling pathway, MAPK signaling pathway

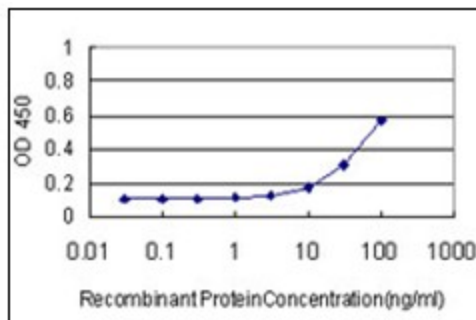
Product images:



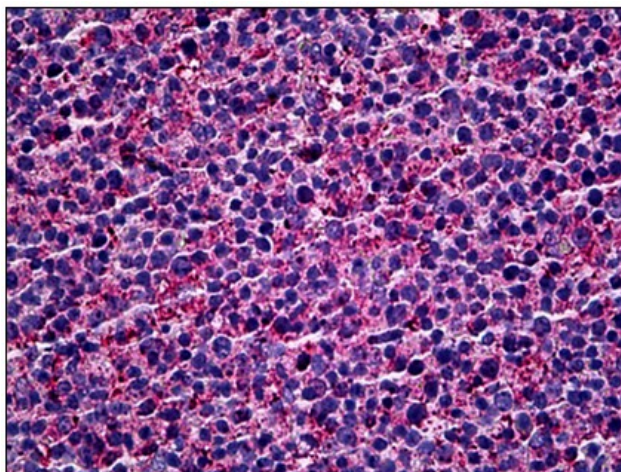
MKNK1 monoclonal antibody, clone 2H8 Western Blot analysis of MKNK1 expression in HeLa.



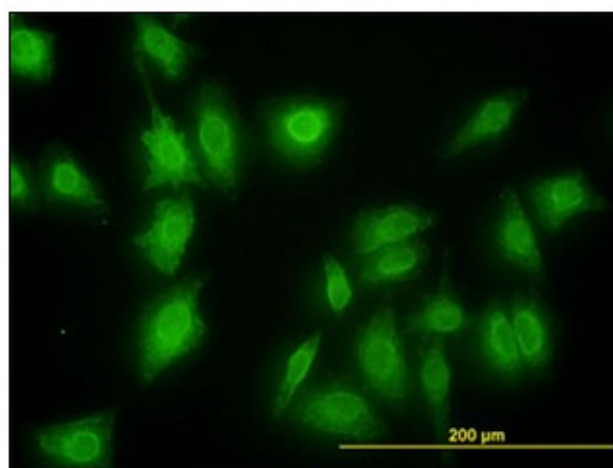
Western Blot analysis of MKNK1 expression in transfected 293T cell line by MKNK1 monoclonal antibody, clone 2H8.



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



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



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