

MKNK1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7151a**Specification**

MKNK1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9BUB5
Other Accession	O08605
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	51342
Antigen Region	1-30

MKNK1 Antibody (N-term) - 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

This MKNK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MKNK1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MKNK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MKNK1 Antibody (N-term) - Protein Information**Name** MKNK1

Synonyms MNK1

Function May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine- containing mRNA cap.

Cellular Location

[Isoform 2]: Cytoplasm.

Tissue Location

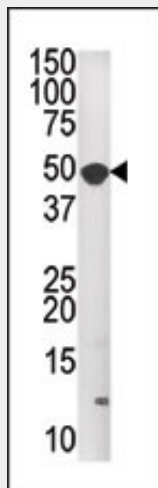
Ubiquitous..

MKNK1 Antibody (N-term) - 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 (N-term) - Images



The anti-MKNK1 Pab (Cat. #AP7151a) is used in Western blot to detect MKNK1 in A2058 tissue lysate

MKNK1 Antibody (N-term) - Background

MKNK1 encodes a predicted 424-amino acid protein containing a sequence typical of the catalytic domain of serine/threonine kinases and a putative N-terminal nuclear localization signal sequence. C-terminal region of MKNK1 was phosphorylated and activated in vivo and in vitro by ERK1 and p38 MAP kinases, but not by JNK/SAPK. The activated ERK is essential for the activation of MKNK1 in insect cells. MKNK1 was activated following stimulation of HeLa cells with a variety of extracellular stimuli. MNK1 bind tightly to the growth factor-regulated MAP kinases, Erk1 and Erk2, and also binds strongly to the stress-activated kinase, p38.

MKNK1 Antibody (N-term) - References

- Orton, K.C., et al., J. Biol. Chem. 279(37):38649-38657 (2004).
Cuesta, R., et al., J. Virol. 78(14):7707-7716 (2004).
Knauf, U., et al., Mol. Cell. Biol. 21(16):5500-5511 (2001).
Cuesta, R., et al., Genes Dev. 14(12):1460-1470 (2000).
Fukunaga, R., et al., EMBO J. 16(8):1921-1933 (1997).