

MNK2 (MKNK2) Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP7152a**Specification**

MNK2 (MKNK2) Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9HBH9](#)**MNK2 (MKNK2) Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 2872**Other Names**

MAP kinase-interacting serine/threonine-protein kinase 2, MAP kinase signal-integrating kinase 2, MAPK signal-integrating kinase 2, Mnk2, MKNK2, GPRK7, MNK2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7152a](/product/products/AP7152a) was selected from the C-term region of human MKNK2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MNK2 (MKNK2) Antibody (C-term) Blocking peptide - Protein Information**Name** MKNK2**Synonyms** GPRK7, MNK2**Function**

Serine/threonine-protein kinase that phosphorylates SFPQ/PSF, HNRNPA1 and EIF4E. 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. Required for mediating PP2A- inhibition-induced EIF4E phosphorylation. Triggers EIF4E shuttling from cytoplasm to nucleus. Isoform 1 displays a high basal kinase activity, but isoform 2 exhibits a very low kinase activity. Acts as a mediator of the suppressive effects of IFN γ on hematopoiesis. Negative regulator for signals that control generation of arsenic trioxide As(2)O(3)-dependent apoptosis and anti-leukemic responses. Involved in anti-apoptotic signaling in response to serum withdrawal.

Cellular Location

[Isoform 2]: Nucleus, PML body.

Tissue Location

Ubiquitously expressed in all tissues examined. Isoform 2 is expressed at higher levels in the ovary than is isoform 1

MNK2 (MKNK2) Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MNK2 (MKNK2) Antibody (C-term) Blocking peptide - Images**MNK2 (MKNK2) Antibody (C-term) Blocking peptide - Background**

MKNK2 may play a role in the response to environmental stress and cytokines. This protein appears to regulate transcription by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap.

MNK2 (MKNK2) Antibody (C-term) Blocking peptide - References

Scheper, G.C., et al., Mol. Cell. Biol. 23(16):5692-5705 (2003).Knauf, U., et al., Mol. Cell. Biol. 21(16):5500-5511 (2001).Scheper, G.C., et al., Mol. Cell. Biol. 21(3):743-754 (2001).Slentz-Kesler, K., et al., Genomics 69(1):63-71 (2000).Haribabu, B., et al., Proc. Natl. Acad. Sci. U.S.A. 90(20):9398-9402 (1993).