

Anti-MNK2 (pT249) Antibody
Rabbit polyclonal antibody to MNK2 (pT249)
Catalog # AP60915**Specification**

Anti-MNK2 (pT249) Antibody - Product Information

Application	WB
Primary Accession	Q9HBH9
Other Accession	Q8CDB0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51875

Anti-MNK2 (pT249) Antibody - Additional Information**Gene ID** 2872**Other Names**

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MNK2. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-MNK2 (pT249) Antibody - 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

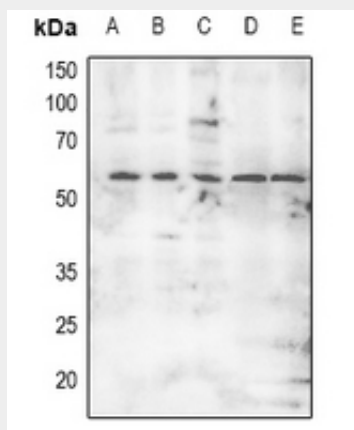
Ubiquitously expressed in all tissues examined. Isoform 2 is expressed at higher levels in the ovary than is isoform 1

Anti-MNK2 (pT249) Antibody - Protocols

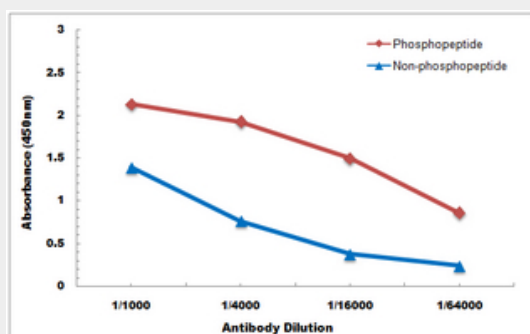
Provided below are standard protocols that you may find useful for product applications.

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

Anti-MNK2 (pT249) Antibody - Images



Western blot analysis of MNK2 (pT249) expression in SGC7901 (A), PC3 (B), Jurkat (C), mouse eye (D), rat brain (E) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-MNK2 (pT249) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Anti-MNK2 (pT249) Antibody - Background

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