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Mouse Mknk2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13922a

Specification

Mouse Mknk2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8CDB0
Other Accession	Q5U2N4, NP_067437.1
Reactivity	**Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51633**
Antigen Region	**36-64**

Mouse Mknk2 Antibody (N-term) - Additional Information

Gene ID 17347

Other Names
MAP kinase-interacting serine/threonine-protein kinase 2, MAP kinase signal-integrating kinase 2, MAPK signal-integrating kinase 2, Mnk2, Mknk2, Mnk2

Target/Specificity
This Mouse Mknk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-64 amino acids from the N-terminal region of mouse Mknk2.

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 purified through a protein A column, followed by peptide affinity purification.

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
Mouse Mknk2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Mknk2 Antibody (N-term) - Protein Information

Name Mknk2

Synonyms 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. Enhances the formation of EIF4F complex in pachytene spermatocytes, thus promoting mRNA translation during spermatogenesis. Displays a high basal kinase activity. Acts as a mediator of the suppressive effects of IFNgamma 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
Cytoplasm. Nucleus, PML body

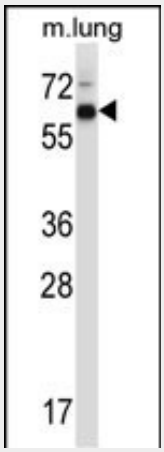
Tissue Location
Ubiquitously expressed in all tissues examined, with high levels in skeletal muscle and low levels in brain

Mouse Mknk2 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 Cytomety
- Cell Culture

Mouse Mknk2 Antibody (N-term) - Images



Mouse Mknk2 Antibody (N-term) (Cat. #AP13922a) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the Mknk2 antibody detected the Mknk2 protein (arrow).

Mouse Mknk2 Antibody (N-term) - Background

Mknk2 may play a role in the response to environmental stress and cytokines. Appears to regulate transcription by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap (By similarity).

Mouse Mknk2 Antibody (N-term) - References

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