

Anti-MEKKK6 Antibody
Rabbit polyclonal antibody to MEKKK6
Catalog # AP60483**Specification**

Anti-MEKKK6 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q8N4C8
Other Accession	Q9JM52
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	149822

Anti-MEKKK6 Antibody - Additional Information**Gene ID** 50488**Other Names**

B55; MAP4K6; MINK; YSK2; ZC3; Misshapen-like kinase 1; GCK family kinase MiNK; MAPK/ERK kinase kinase kinase 6; MEK kinase kinase 6; MEKKK 6; Misshapen/NIK-related kinase; Mitogen-activated protein kinase kinase kinase kinase 6

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MEKKK6. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)
IHC~~1:100~500

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-MEKKK6 Antibody - Protein Information**Name** MINK1 ([HGNC:17565](#))**Function**

Serine/threonine kinase which acts as a negative regulator of Ras-related Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking (PubMed:10708748, PubMed:16337592). Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in

hippocampal neurons (By similarity). Can activate the JNK and MAPK14/p38 pathways and mediates stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Phosphorylates TANC1 upon stimulation by RAP2A, MBP and SMAD1 (PubMed:18930710, PubMed:21690388). Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1 (By similarity). Activator of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. MAP4Ks act in parallel to and are partially redundant with STK3/MST2 and STK4/MST2 in the phosphorylation and activation of LATS1/2, and establish MAP4Ks as components of the expanded Hippo pathway (PubMed:26437443).

Cellular Location

Cytoplasm. Postsynaptic density. Cell projection, axon. Cell projection, dendrite

Tissue Location

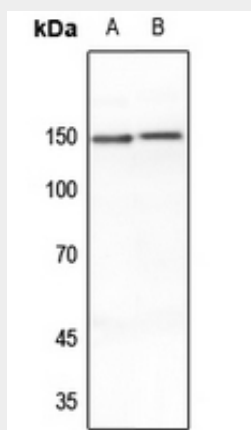
Expressed in the brain, isoform 2 is more abundant than isoform 1. Isoform 3 is ubiquitously expressed. Isoform 1 is most abundant in the skeletal muscle. Isoform 4 is ubiquitously expressed with relative high levels in brain, skeletal muscle, pancreas and testis.

Anti-MEKKK6 Antibody - Protocols

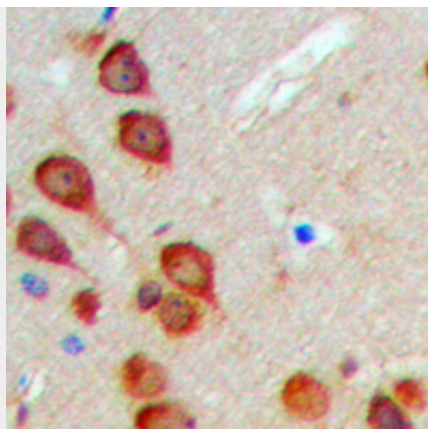
Provided below are standard protocols that you may find useful for product applications.

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

Anti-MEKKK6 Antibody - Images



Western blot analysis of MEKKK6 expression in mouse brain (A), rat brain (B) whole cell lysates.



Immunohistochemical analysis of MEKKK6 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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