

**Anti-MKK2 Antibody**  
**Mouse monoclonal antibody to MKK2**  
**Catalog # AP61593****Specification**

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**Anti-MKK2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P36507</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	44424

**Anti-MKK2 Antibody - Additional Information****Gene ID** 5605**Other Names**

MEK2; MKK2; PRKMK2; Dual specificity mitogen-activated protein kinase kinase 2; MAP kinase kinase 2; MAPKK 2; ERK activator kinase 2; MAPK/ERK kinase 2; MEK 2

**Target/Specificity**

Recognizes endogenous levels of MKK2 protein.

**Dilution**

WB~~WB (1/1000 - 1/2000)

**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-MKK2 Antibody - Protein Information****Name** MAP2K2**Synonyms** MEK2, MKK2, PRKMK2**Function**

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (PubMed:<a href="http://www.uniprot.org/citations/29433126" target="\_blank">29433126</a>).

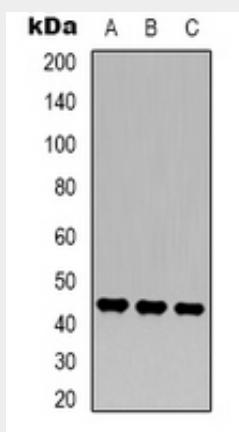
**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

**Anti-MKK2 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-MKK2 Antibody - Images**

Western blot analysis of MKK2 expression in Hela (A), NIH3T3 (B), rat brain (C) whole cell lysates.

**Anti-MKK2 Antibody - Background**

Recombinant protein corresponding to human MKK2.