

**Mouse Map2k5 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14154b**

**Specification**

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**Mouse Map2k5 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9WVS7</a>
Other Accession	<a href="#">O62862</a> , <a href="#">O13163</a> , <a href="#">NP_035970.1</a>
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50105
Antigen Region	385-412

**Mouse Map2k5 Antibody (C-term) - Additional Information**

**Gene ID** 23938

**Other Names**

Dual specificity mitogen-activated protein kinase kinase 5, MAP kinase kinase 5, MAPKK 5, MAPK/ERK kinase 5, MEK 5, Map2k5, Mek5, Mkk5, Prkmk5

**Target/Specificity**

This Mouse Map2k5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 385-412 amino acids from the C-terminal region of mouse Map2k5.

**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 Map2k5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Map2k5 Antibody (C-term) - Protein Information**

**Name** Map2k5

**Synonyms** Mek5, Mkk5, Prkmk5

**Function** Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis. As part of the MAPK/ERK signaling pathway, acts as a negative regulator of apoptosis in cardiomyocytes via promotion of STUB1/CHIP-mediated ubiquitination and degradation of ICER-type isoforms of CREM (By similarity).

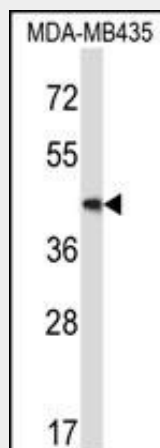
**Cellular Location**  
Cytoplasm.

### Mouse Map2k5 Antibody (C-term) - Protocols

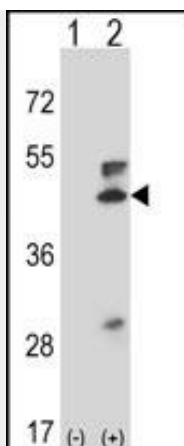
Provided below are standard protocols that you may find useful for product applications.

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

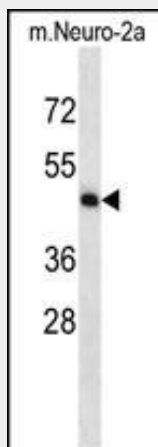
### Mouse Map2k5 Antibody (C-term) - Images



Mouse Map2k5 Antibody (C-term) (Cat. #AP14154b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the Map2k5 antibody detected the Map2k5 protein (arrow).



Western blot analysis of Map2k5 (arrow) using rabbit polyclonal Mouse Map2k5 Antibody (C-term) (Cat. #AP14154b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Map2k5 gene.



Mouse Map2k5 Antibody (C-term) (Cat. #AP14154b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the Map2k5 antibody detected the Map2k5 protein (arrow).

#### Mouse Map2k5 Antibody (C-term) - Background

Map2k5 acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appear to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis.

#### Mouse Map2k5 Antibody (C-term) - References

- Spiering, D., et al. J. Biol. Chem. 284(37):24972-24980(2009)
- Carter, E.J., et al. J. Cell. Sci. 122 (PT 17), 3104-3112 (2009) :
- Sohn, S.J., et al. EMBO J. 27(13):1896-1906(2008)
- Shishido, T., et al. Circ. Res. 102(11):1416-1425(2008)
- Nakamura, K., et al. Mol. Cell. Biol. 27(12):4566-4577(2007)