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Mouse Map2k5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14154b

Product Information

Application	WB, E
Primary Accession	Q9WVS7
Other Accession	Q62862, Q13163, NP_035970.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34809
Calculated MW	50105
Antigen Region	385-412

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.

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.

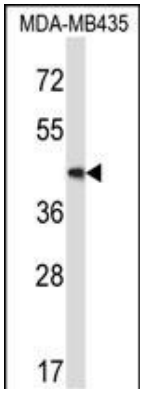
Background

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 apopotosis, neuronal survival and cardiac development and angiogenesis.

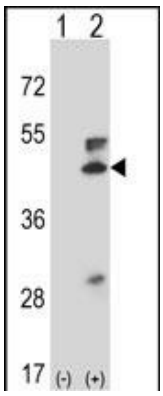
References

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Nakamura, K., et al. Mol. Cell. Biol. 27(12):4566-4577(2007)

Images

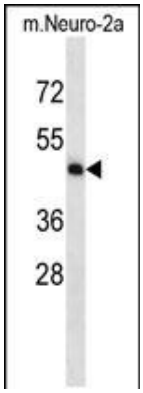


Mouse Map2k5 Antibody (C-term) (Cat. #AP14154b) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the Map2k5 antibody detected the Map2k5 protein (arrow).



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).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.