10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MAP2K5 Antibody (S149)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7906f

Specification

MAP2K5 Antibody (S149) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q13163
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**127-156**

MAP2K5 Antibody (S149) - Additional Information

Gene ID 5607

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 MAP2K5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-156 amino acids from human MAP2K5.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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
MAP2K5 Antibody (S149) is for research use only and not for use in diagnostic or therapeutic procedures.

MAP2K5 Antibody (S149) - 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.

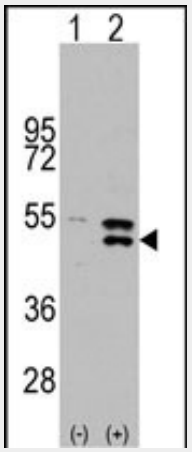
Tissue Location
Expressed in many adult tissues. Abundant in heart and skeletal muscle

MAP2K5 Antibody (S149) - Protocols

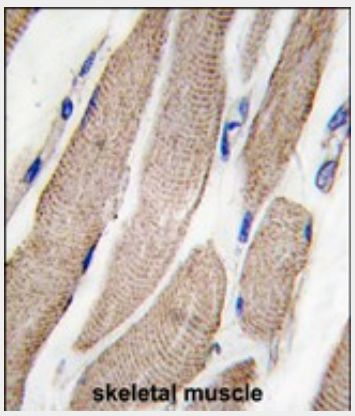
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MAP2K5 Antibody (S149) - Images



Western blot analysis of MAP2K5 (arrow) using rabbit polyclonal MAP2K5 Antibody (S149) (Cat.#AP7906f).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP2K5 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with MAP2K5

Antibody (S149) (Cat.#AP7906f), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

MAP2K5 Antibody (S149) - Background

MAP2K5 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. It specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). The signal cascade mediated by MAP2K5 is involved in growth factor stimulated cell proliferation and muscle cell differentiation.

MAP2K5 Antibody (S149) - References

Raviv,Z.,J. Cell. Sci. 117 (PT 9), 1773-1784 (2004)
Kato,Y.,EMBO J. 16 (23), 7054-7066 (1997)
English,J.M.,J. Biol. Chem. 274 (44), 31588-31592 (1999)