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MAP2K5 Antibody (S137) Blocking Peptide

Synthetic peptide
Catalog # BP7906g

Specification

MAP2K5 Antibody (S137) Blocking Peptide - Product Information

Primary Accession Q13163

MAP2K5 Antibody (S137) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP7906g was selected from the S137 region of human MAP2K5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MAP2K5 Antibody (S137) Blocking Peptide - 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

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MAP2K5 Antibody (S137) Blocking Peptide - Protocols

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

- Blocking Peptides

MAP2K5 Antibody (S137) Blocking Peptide - Images

MAP2K5 Antibody (S137) Blocking Peptide - 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 (S137) Blocking Peptide - 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)