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MEKK2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP7908a

Specification

MEKK2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9Y2U5

MEKK2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10746

Other Names
Mitogen-activated protein kinase kinase kinase 2, MAPK/ERK kinase kinase 2, MEK kinase 2, MEKK 2, MAP3K2, MAPKKK2, MEKK2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7908a was selected from the N-term region of human MEKK2 . 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.

MEKK2 Antibody (N-term) Blocking Peptide - Protein Information

Name MAP3K2

Synonyms MAPKKK2, MEKK2

Function
Component of a protein kinase signal transduction cascade. Regulates the JNK and ERK5 pathways by phosphorylating and activating MAP2K5 and MAP2K7 (By similarity). Plays a role in caveolae kiss-and- run dynamics.

Cellular Location
Cytoplasm. Nucleus. Note=Upon EGF stimulation, translocates into the nucleus

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MEKK2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MEKK2 Antibody (N-term) Blocking Peptide - Images

MEKK2 Antibody (N-term) Blocking Peptide - Background

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MEKK2 preferentially activates the JNK/SAPK group of MAP kinases.

MEKK2 Antibody (N-term) Blocking Peptide - References

Cheng, J., et al., Mol. Cell. Biol. 20(7):2334-2342 (2000).