

MAP3K11 Antibody (ascites) Mouse Monoclonal Antibody (Mab) Catalog # AM1906a

Specification

MAP3K11 Antibody (ascites) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW WB,E <u>Q16584</u> <u>NP_002410.1</u> Human Mouse Monoclonal IgM,k 92688

MAP3K11 Antibody (ascites) - Additional Information

Gene ID 4296

Other Names Mitogen-activated protein kinase kinase kinase 11, Mixed lineage kinase 3, Src-homology 3 domain-containing proline-rich kinase, MAP3K11 (HGNC:6850)

Target/Specificity

This MAP3K11 monoclonal antibody is generated from mouse immunized with MAP3K11 recombinant protein.

Dilution WB~~1:500~1000 E~~Use at an assay dependent concentration.

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

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

MAP3K11 Antibody (ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

MAP3K11 Antibody (ascites) - Protein Information

Name MAP3K11 (HGNC:6850)



Function Activates the JUN N-terminal pathway. Required for serum- stimulated cell proliferation and for mitogen and cytokine activation of MAPK14 (p38), MAPK3 (ERK) and MAPK8 (JNK1) through phosphorylation and activation of MAP2K4/MKK4 and MAP2K7/MKK7. Plays a role in mitogenstimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Location is cell cycle dependent

Tissue Location

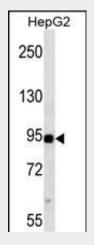
Expressed in a wide variety of normal and neoplastic tissues including fetal lung, liver, heart and kidney, and adult lung, liver, heart, kidney, placenta, skeletal muscle, pancreas and brain.

MAP3K11 Antibody (ascites) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

MAP3K11 Antibody (ascites) - Images



MAP3K11 (Cat. #AM1906a) western blot analysis in HepG2 cell line lysates (35µg/lane). This demonstrates the MAP3K11 antibody detected the MAP3K11 protein (arrow).

MAP3K11 Antibody (ascites) - Background

The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase contains a SH3 domain and a leucine zipper-basic motif. This kinase preferentially activates MAPK8/JNK kinase, and functions as a positive regulator of JNK signaling pathway. This kinase can directly phosphorylate, and activates IkappaB kinase alpha and beta, and is found to be



involved in the transcription activity of NF-kappaB mediated by Rho family GTPases and CDC42.

MAP3K11 Antibody (ascites) - References

Chen, J., et al. Oncogene 29(31):4399-4411(2010) Liou, G.Y., et al. Biochem. J. 427(3):435-443(2010) Mishra, P., et al. Mol. Endocrinol. 24(3):598-607(2010) Rangasamy, V., et al. Cancer Res. 70(4):1731-1740(2010) Velho, S., et al. Hum. Mol. Genet. 19(4):697-706(2010)