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MAP3K11 Antibody (ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM1906a

Product Information

Application	WB, E
Primary Accession	Q16584
Other Accession	NP_002410.1
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM,k
Clone Names	230CT5.3.1
Calculated MW	92688

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.

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 mitogen- stimulated 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.

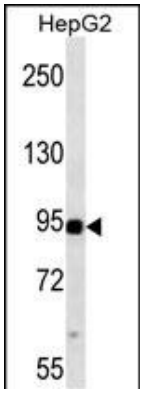
Background

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.

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)

Images



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