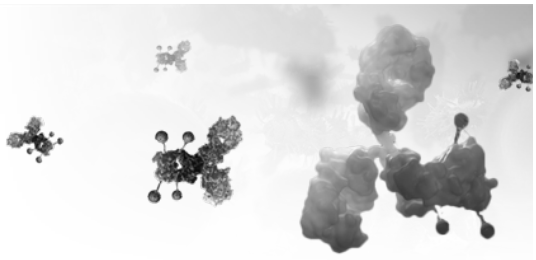

Mouse anti-Human MAP3K1 monoclonal antibody, clone 3G7 (CABT-B10614)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	MAP3K1 (XP_042066, 1211 a.a. ~ 1310 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3G7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	SKNSMTLDLNSSSKCDDSFGCSSNSSNAVIPSDETVFTPVEEKCRLDVNTELNSSIEDLL EASMPSSDTTVTFKSEVAVLSPEKAENDDTYKDDVNHNQK
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene is a serine/threonine kinase and is part of some signal transduction cascades, including the ERK and JNK kinase pathways as well as the NF-kappa-B

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	pathway. The encoded protein is activated by autophosphorylation and requires magnesium as a cofactor in phosphorylating other proteins. This protein has E3 ligase activity conferred by a plant homeodomain (PHD) in its N-terminus and phospho-kinase activity conferred by a kinase domain in its C-terminus. [provided by RefSeq, Mar 2012]
Keywords	MAP3K1; mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase; MEKK; MEKK1; SRXY6; MEKK 1; MAPKKK1; mitogen-activated protein kinase kinase kinase 1; MEK kinase 1; MAP/ERK kinase kinase 1; MAPK/ERK kinase kinase 1;

GENE INFORMATION

Entrez Gene ID	4214
UniProt ID	Q13233
Pathway	Activated TLR4 signalling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation by HSP70, organism-specific biosystem; BCR signaling pathway, organism-specific biosystem; CD40/CD40L signaling, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem
Function	ATP binding; JUN kinase binding; JUN kinase kinase activity; JUN kinase kinase kinase activity; MAP kinase kinase kinase activity; MAP/ERK kinase kinase activity; identical protein binding; metal ion binding; mitogen-activated protein kinase binding; mitogen-activated protein kinase kinase binding; nucleotide binding; protein binding; protein kinase activity; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; sphingolipid binding; ubiquitin-protein ligase activity; zinc ion binding

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