



Magic™ Anti-MEK 1 (Phospho S212, 288) polyclonal antibody (CPBT-66563RM)

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

PRODUCT INFORMATION

Product Overview This product is specific for MEK 1 and MEK 2, (also known as MAP2K1 and MAP2K2 respectively), when phosphorylated at serine 218 and 222. MEK1 and 2 are related dual specificity protein kinases from the MAP kinase family. These proteins are activated by phosphorylation at serine 218 and 222, and play a critical role in mitogen growth factor signal transduction. Western Blotting recognises a band of approximately 45kD in serum stimulated mouse NIH 3T3 cell lysates.

Specificity	MEK 1/2
Target	MEK 1
Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence which includes phosphorylated ser 218 and 222 within human MEK1 and 2.
Isotype	Polyclonal IgG
Source/Host	Rabbit
Species Reactivity	Human, Bovine, Chicken, Dog, Monkey, Mouse, Rat, Xenopus, Zebrafish
Conjugate	Unconjugated
Applications	WB
Procedure	Phospho-specific Antibodies
Format	Purified IgG - liquid
Size	100 µl
Preservative	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Warnings	For research purposes only

GENE INFORMATION

Gene Name	MAP2K1 mitogen-activated protein kinase kinase 1 [Homo sapiens (human)]
Official Symbol	MAP2K1
Synonyms	MAP2K1; mitogen-activated protein kinase kinase 1; CFC3; MEK1; MKK1; MAPKK1; PRKMK1; dual specificity mitogen-activated protein kinase kinase 1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; ERK activator kinase 1; protein kinase, mitogen-activated, kinase 1 (MAP ki
Entrez Gene ID	5604
mRNA Refseq	NM_002755
Protein Refseq	NP_002746
MIM	176872
UniProt ID	P36507
Chromosome Location	15q22.1-q22.33
Pathway	AGE/RAGE pathway; ARMS-mediated activation; Activated TLR4 signalling; Acute myeloid leukemia; Alcoholism; Axon guidance; B Cell Receptor Signaling Pathway; B cell receptor signaling pathway;
Function	ATP binding; MAP kinase kinase activity; Ras GTPase binding; mitogen-activated protein kinase kinase kinase binding; protein binding; protein kinase activity; protein serine/threonine kinase activator activity; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity; receptor signaling protein tyrosine phosphatase activity;