



# Mouse anti-Human MAP2K1 polyclonal antibody (DPAB-DC2472)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.
<b>Immunogen</b>	MAP2K1 (NP_002746, 294 a.a. ~ 393 a.a) partial recombinant protein with GST tag. The sequence is GRPLSSYGMDSRPPMAIFELLDYIVNEPPPKLPSGVFSLEFQDFVNKCLIKNPAERADLK QLMVHAFIKRSDAEEVDFAGWLCSTIGLNQPTPTHAAGV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">MAP2K1 mitogen-activated protein kinase kinase 1 [ Homo sapiens (human) ]</a>
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 kinase kinase 1);
Entrez Gene ID	<a href="#">5604</a>
Protein Refseq	<a href="#">NP_002746</a>
UniProt ID	<a href="#">A4QPA9</a>
Chromosome Location	15q22.1-q22.33
Pathway	AGE/RAGE pathway; Activated TLR4 signalling; Acute myeloid leukemia; Alcoholism
Function	ATP binding; MAP kinase kinase activity; Ras GTPase binding; mitogen-activated protein kinase kinase kinase binding