



# Rabbit Anti-MAP2K1 monoclonal antibody, clone TA33-12 (DCABH-9421)

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

## PRODUCT INFORMATION

<b>Target</b>	MEK1
<b>Immunogen</b>	Recombinant protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog
<b>Clone</b>	TA33-12
<b>Purification</b>	Protein A purified.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC, IP, FC
<b>Molecular Weight</b>	43 kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Membrane.
<b>Positive Control</b>	A431, MCF-7, Hela, HepG2, NIH/3T3, human tonsil tissue, human breast carcinoma tissue, mouse uterus tissue, human kidney tissue, mouse pancreas tissue.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Warnings</b>	For research use only

## BACKGROUND

**Introduction** A family of protein kinases located upstream of the MAP kinases and responsible for their

activation has been identified. The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphorylate ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway.

---

**Keywords**

Dual specificity mitogen activated protein kinase kinase 1;Dual specificity mitogen-activated protein kinase kinase 1;ERK activator kinase 1;MAP kinase kinase 1;MAP kinase/Erk kinase 1;MAP2K1;MAPK/ERK kinase 1;MAPKK 1;MAPKK1;MEK 1;Mek1;MEKK1;Mitogen activated protein kinase kinase 1;MKK 1;MKK1;MP2K1\_HUMAN;PRKMK1;Protein kinase mitogen activated kinase 1 (MAP kinase kinase 1);Protein kinase mitogen activated, kinase 1 antibody

---