

Product datasheet for **AP14770PU-N**

MEKK1 (MAP3K1) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human MEKK1.
Specificity:	This antibody reacts to MEKK1.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase kinase kinase 1
Database Link:	Entrez Gene 4214 Human Q13233



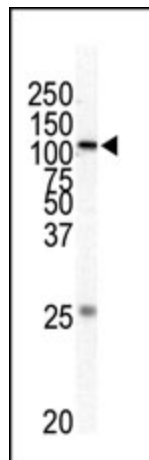
[View online »](#)

Background:

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, *Drosophila*, and mammalian cells. MEKK1 can phosphorylate and activate MAPKK 1 and MAPKK 2 (MEK1/MEK2) which leads to phosphorylation of MAP kinases. It is also a highly efficient activator of the JNK cascade. The protein contains a putative 1 RING-type zinc finger and 1 SWIM-type zinc finger.

Synonyms:

MAPKKK1, MEKK, MEKK1, MAPK/ERK kinase kinase 1

Product images:

Western blot analysis of anti-MEKK1 Pab in HL-60 cell lysate. MEKK1 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.