

Product Name: KD-Validated MAP2K1 Rabbit Polyclonal Antibody**Catalog #: KVA00469**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 43.4kDa

Antigen Information

Gene Name	MAP2K1
Alternative Names	MAP2K1; Mitogen-Activated Protein Kinase Kinase 1; MEK1; MKK1; Dual Specificity Mitogen-Activated Protein Kinase Kinase 1; MAPK/ERK Kinase 1; MAPKK1; PRKMK1; ERK Activator Kinase 1; MAP Kinase Kinase 1; EC 2.7.12.2; MAPKK 1; MEK 1; Protein Kinase, Mitogen-Activated, Kinase 1 (MAP Kinase Kinase 1); CFC3; MEL
Gene ID	5604.0
SwissProt ID	Q02750
Immunogen	A synthesized peptide derived from human MKK1

Background

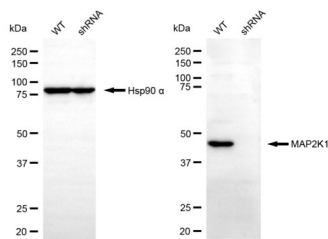
The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated

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. [provided by RefSeq, Jul 2008]

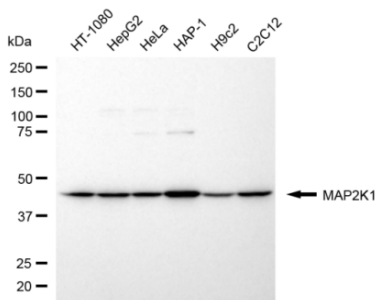
Research Area

Signal Transduction

Image Data



Western blotting analysis using MAP2K1 antibody (KVA00469). MAP2K1 expression in wild-type (WT) and MAP2K1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MAP2K1 antibody (KVA00469, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MAP2K1 antibody (KVA00469). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MAP2K1 antibody (KVA00469, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.