

Product Name: KD-Validated MAP3K2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01007

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
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 1:4,000-1:20,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 69.7kDa

Antigen Information

Gene Name	MAP3K2
Alternative Names	Mitogen-Activated Protein Kinase Kinase Kinase 2; MEKK2B; MEKK2; MAPK/ERK Kinase Kinase 2; MAP/ERK Kinase Kinase 2; MEK Kinase 2; MEKK 2; EC 2.7.11.25; MAPKKK2
Gene ID	10746.0
SwissProt ID	Q9Y2U5
Immunogen	A synthesized peptide derived from human MEKK2

Background

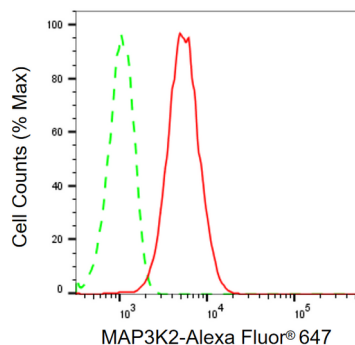
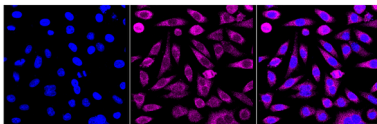
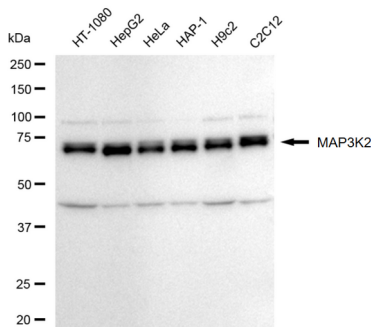
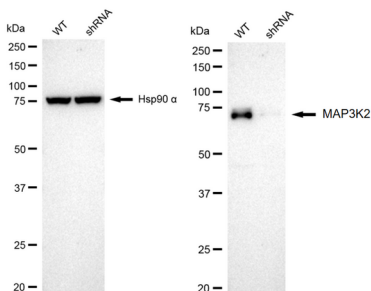
The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I κ B kinases, and thus plays a role in NF- κ B signaling pathway. This kinase has also been found to bind and activate

protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process. [provided by RefSeq, Jul 2008]

Research Area

Signal Transduction

Image Data



Western blotting analysis using MAP3K2 antibody (KVAb01007). MAP3K2 expression in wild type (WT) and MAP3K2 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MAP3K2 antibody (KVAb01007, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using MAP3K2 antibody (KVAb01007). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MAP3K2 antibody (KVAb01007, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunocytochemical staining of HeLa cells with MAP3K2 antibody (KVAb01007, 1:1,000). Nuclei were stained blue with DAPI; MAP3K2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.

Flow cytometric analysis of MAP3K2 expression in HepG2 cells using MAP3K2 antibody (KVAb01007, 1:2,000). Green, isotype control; red, MAP3K2.