

Product Name: KD-Validated MAPK6 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00333**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 82.7kDa

Antigen Information

Gene Name	MAPK6
Alternative Names	MAPK6; Mitogen-Activated Protein Kinase 6; ERK3; HsT17250; P97MAPK; PRKM6; Extracellular Signal-Regulated Kinase 3; MAP Kinase 6; EC 2.7.11.24; P97-MAPK; MAPK 6; ERK-3; Extracellular Signal-Regulated Kinase, P97; Protein Kinase, Mitogen-Activated 5; Protein Kinase, Mitogen-Activated 6; MAP Kinase Isoform P97; EC 2.7.11
Gene ID	5597.0
SwissProt ID	Q16659
Immunogen	A synthesized peptide derived from human MAPK6

Background

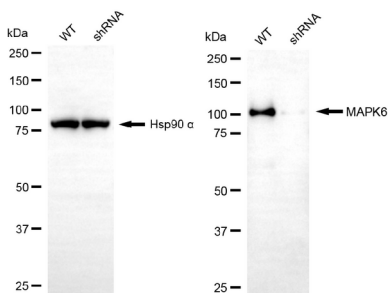
The protein encoded by this gene is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-

activated protein kinases (MAP kinases). MAP kinases also known as extracellular signal-regulated kinases (ERKs), are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals. This kinase is localized in the nucleus, and has been reported to be activated in fibroblasts upon treatment with serum or phorbol esters. [provided by RefSeq, Jul 2008]

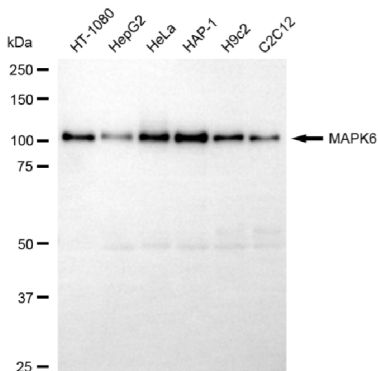
Research Area

Signal Transduction, Stem Cells

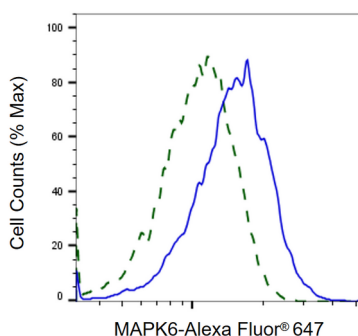
Image Data



Western blotting analysis using MAPK6 antibody (KVA00333). MAPK6 expression in wild-type (WT) and MAPK6 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MAPK6 antibody (KVA00333, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MAPK6 antibody (KVA00333). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MAPK6 antibody (KVA00333, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of MAPK6 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with MAPK6 antibody (KVA00333, 1:2,000) and analyzed using BD flow cytometer.