

Product Name: KD-Validated MAPKAPK5 Mouse Monoclonal Antibody**Catalog #: KVA00044**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse 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 1:500-1:2,500
Molecular Weight	Calculated MW: 54.2kDa

Antigen Information

Gene Name	MAPKAPK5
Alternative Names	MAPKAPK5; MAPK Activated Protein Kinase 5; PRAK; MK5; Mitogen-Activated Protein Kinase-Activated Protein Kinase 5; P38-Regulated/Activated Protein Kinase; MAP Kinase-Activated Protein Kinase 5; MAPKAP Kinase 5; EC 2.7.11.1; MAPKAP-K5; MAPKAPK-5; MK-5; MAPK-Activated Protein Kinase 5; EC 2.7.11; NCFD
Gene ID	8550.0
SwissProt ID	Q8IW41
Immunogen	Recombinant protein of human MAPKAPK5

Background

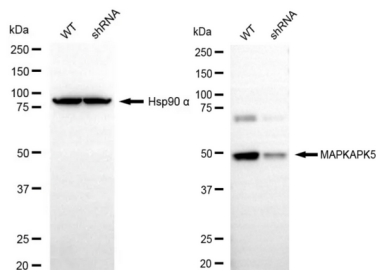
The protein encoded by this gene is a tumor suppressor and member of the serine/threonine kinase family. In response to

cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. The encoded protein is found in the nucleus but translocates to the cytoplasm upon phosphorylation and activation. This kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Nov 2012]

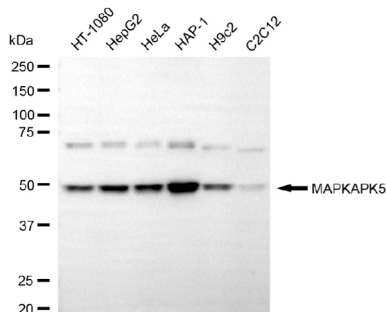
Research Area

Cancer

Image Data



Western blotting analysis using MAPKAPK5 antibody (KVA00044). MAPKAPK5 expression in wild-type (WT) and MAPKAPK5 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MAPKAPK5 antibody (KVA00044, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using MAPKAPK5 antibody (KVA00044). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MAPKAPK5 antibody (KVA00044, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.