

KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1324**Specification****KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P36507
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 44 kDa; observed, 44 kDa
Gene Name	KDa
Aliases	MAP2K2; Mitogen-Activated Protein Kinase Kinase 2; MEK2; MAP Kinase Kinase 2; PRKMK2; MKK2; Dual Specificity Mitogen-Activated Protein Kinase Kinase 2; ERK Activator Kinase 2; MAPK/ERK Kinase 2; EC 2.7.12.2; Mitogen-Activated Protein Kinase Kinase 2, P45; MAPKK 2; MAPKK2; MEK 2; CFC4
Immunogen	A synthesized peptide derived from human MEK2

KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	5605
Other Names	
Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, 2.7.12.2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK 2, MAP2K2, MEK2, MKK2, PRKMK2	

KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody - Protein Information**Name** MAP2K2**Synonyms** MEK2, MKK2, PRKMK2**Function**

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (By similarity). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (PubMed:29433126).

Cellular Location

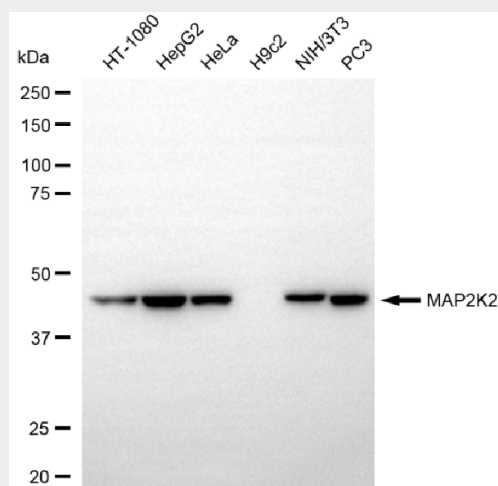
Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

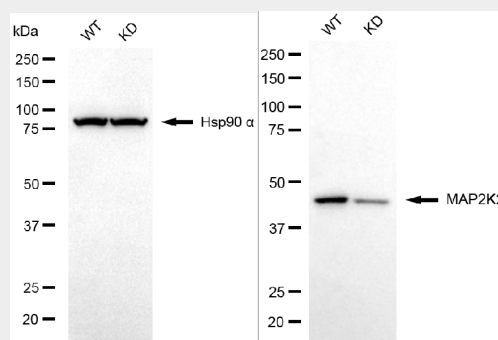
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-MAP2K2 Rabbit Monoclonal Antibody - Images



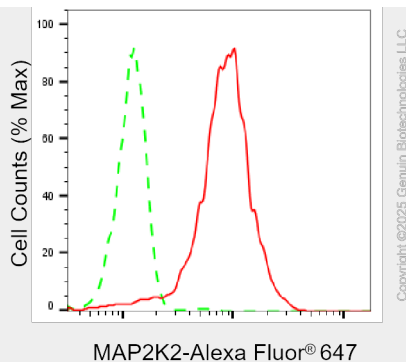
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Western blotting analysis using anti-MAP2K2 antibody (Cat#AGI1324). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MAP2K2 antibody (Cat#AGI1324, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

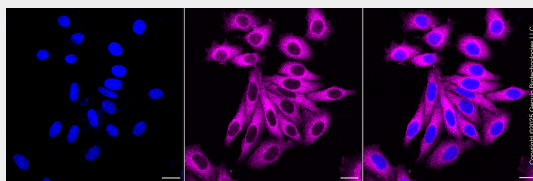


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Western blotting analysis using anti-MAP2K2 antibody (Cat#AGI1324). MAP2K2 expression in wild-type (WT) and MAP2K2 knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-MAP2K2 antibody (Cat#AGI1324, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of MAP2K2 expression in HepG2 cells using anti-MAP2K2 antibody (Cat#AGI1324, 1:2,000). Green, isotype control; red, MAP2K2.



Immunocytochemical staining of HepG2 cells with anti-MAP2K2 antibody (Cat#AGI1324, 1:1,000). Nuclei were stained blue with DAPI; MAP2K2 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.