

KD-Validated Anti-MAP2K1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

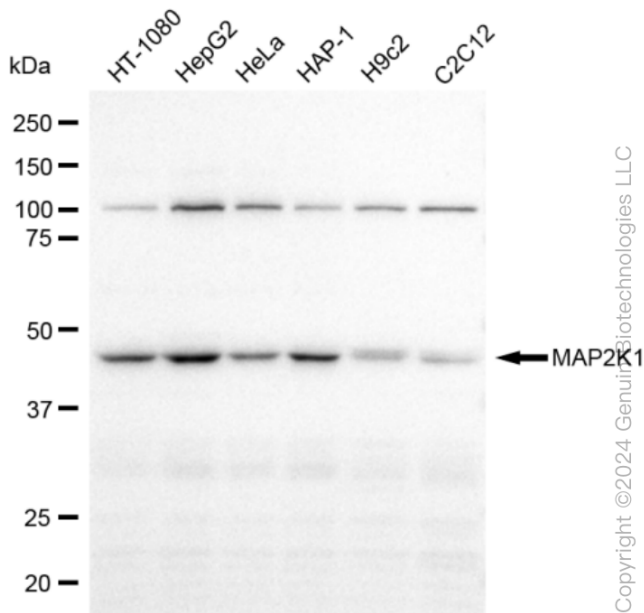
ABG1132

Product Overview

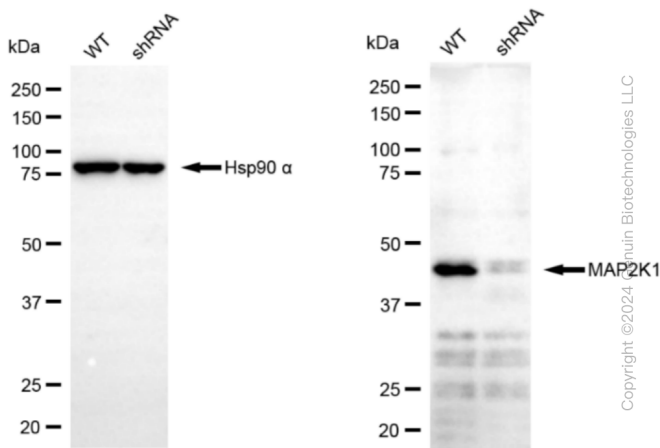
Name	KD-Validated Anti-MAP2K1 Rabbit Monoclonal Antibody
Accession(Primary)	Q02750
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human MEK1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 43 kDa , observed, 45 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q02750)

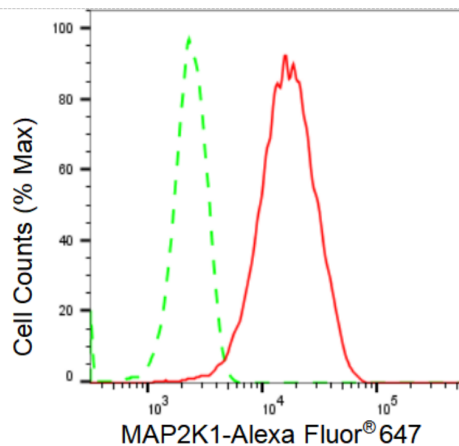
Gene Name	MAP2K1
About Gene Symbol	MAP2K1 (Mitogen-Activated Protein Kinase Kinase 1) is a mitogen-activated protein kinase involved in MAPK/ERK signaling. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



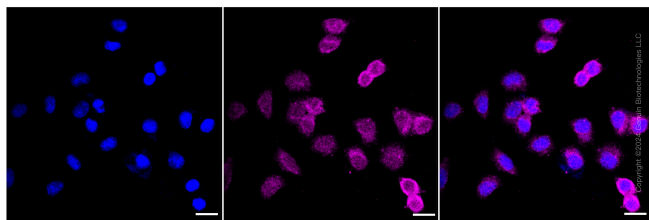
Western blotting analysis using anti-MAP2K1 antibody (Cat#ABG1132). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MAP2K1 antibody (Cat#ABG1132, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-MAP2K1 antibody (Cat#ABG1132). MAP2K1 expression in wild type (WT) and MAP2K1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-MAP2K1 antibody (Cat#ABG1132, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of MAP2K1 expression in HepG2 cells using MAP2K1 antibody (Cat#ABG1132, 1:2,000). Green, isotype control; red, MAP2K1.



Immunocytochemical staining of HepG2 cells with MAP2K1 antibody (Cat#ABG1132, 1:1,000). Nuclei were stained blue with DAPI; MAP2K1 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 μ m.