9051 Mira Mesa Blvd, #910094
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KD-Validated Anti-Mitogen-Activated Protein Kinase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1792

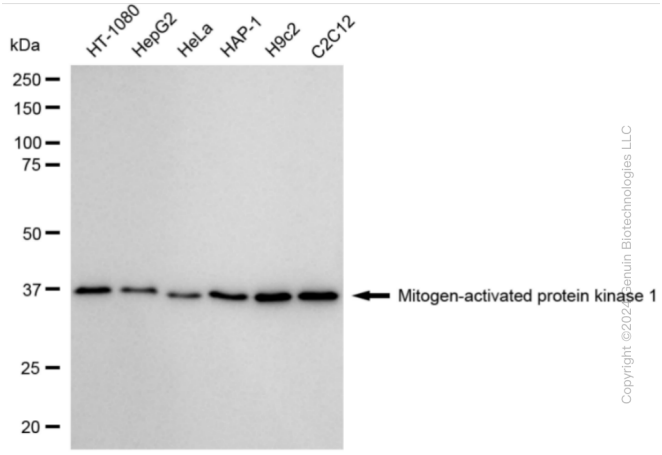
Product Overview

Name	KD-Validated Anti-Mitogen-Activated Protein Kinase 1 Rabbit Monoclonal Antibody
Accession(Primary)	P28482
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ERK2
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 41 kDa, observed, 41 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

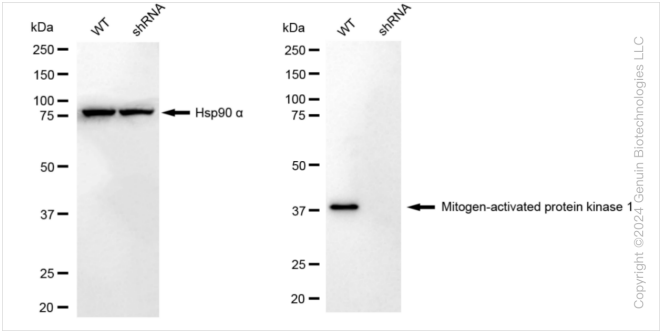
Target information (P28482)

Gene Name	MAPK1
About Gene Symbol	MAPK1 (Mitogen-Activated Protein Kinase 1) is a receptor tyrosine 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.

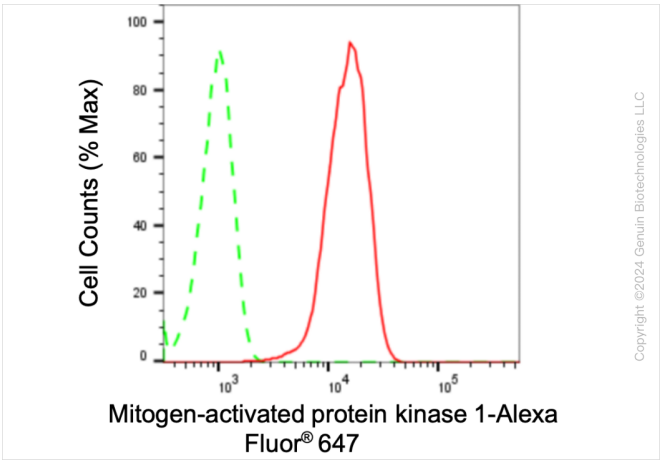
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Western blotting analysis using anti-Mitogen-activated protein kinase 1 antibody (Cat#ABG1792). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Mitogen-activated protein kinase 1 antibody (Cat#ABG1792, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



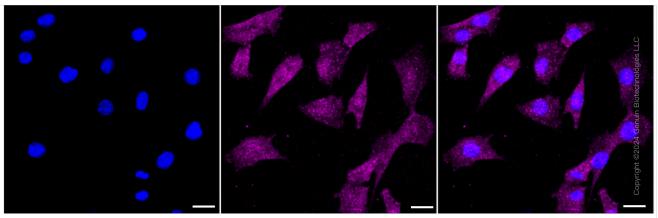
Western blotting analysis using anti-mitogen-activated protein kinase 1 antibody (Cat#ABG1792). Mitogen-activated protein kinase 1 expression in wild-type (WT) and mitogen-activated protein kinase 1 (MAPK1) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-mitogen-activated protein kinase 1 antibody (Cat#ABG1792, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of BCL10 expression in HepG2 cells using anti-BCL10 antibody (Cat#62869, 1:2,000). Green, isotype control; red,BCL10.

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Immunocytochemical staining of C2C12 cells with anti-Mitogen-activated protein kinase 1 antibody (Cat#ABG1792, 1:1,000). Nuclei were stained blue with DAPI; Mitogen-activated protein kinase 1 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.