

KD-Validated Anti-ERK1/2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

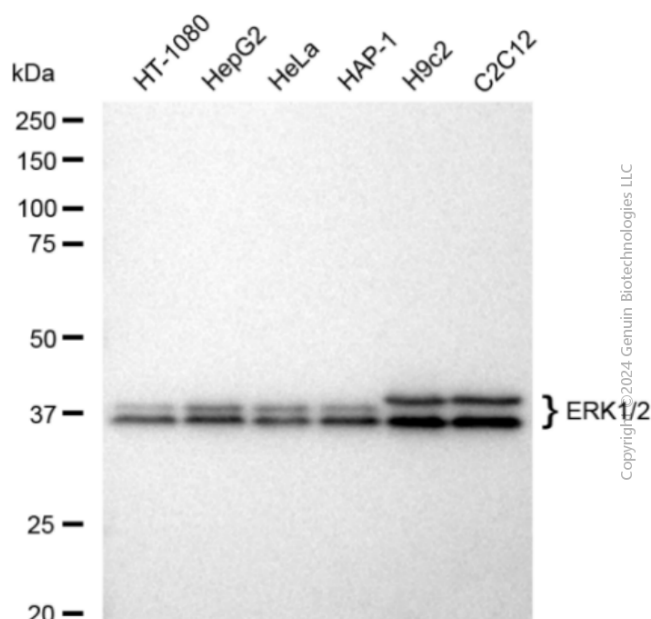
ABG1449

Product Overview

Name	KD-Validated Anti-ERK1/2 Rabbit Monoclonal Antibody
Accession(Primary)	P27361/ P28482
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ERK1/2
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 43,41 kDa ; Observed, 42,44 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): 1:1,000

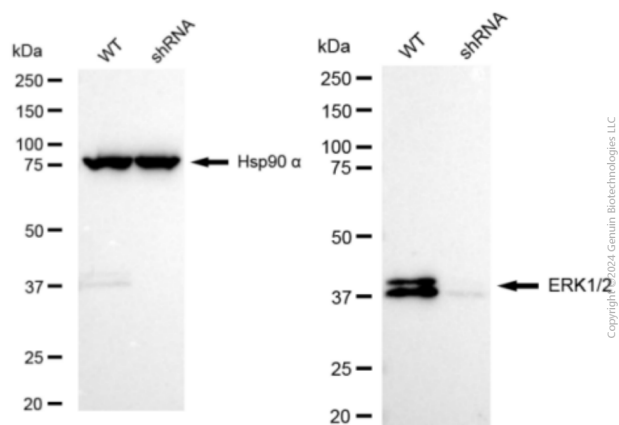
Target information (P27361/ P28482)

Gene Name	MAPK1/3
About Gene Symbol	MAPK1/3 (Mitogen-Activated Protein Kinase 3) 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



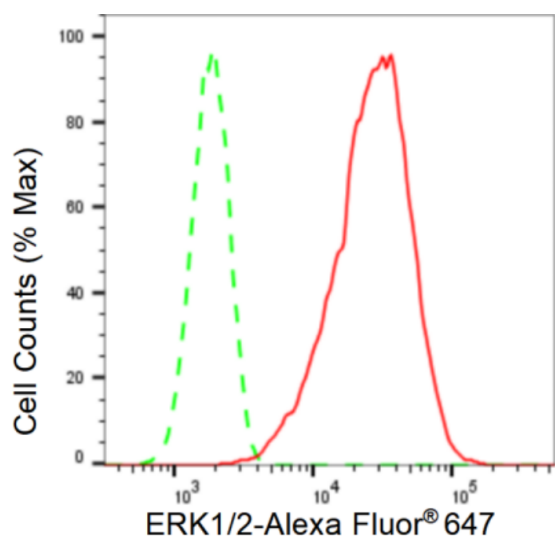
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Western blotting analysis using anti-ERK1/2 antibody (Cat#ABG1449). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ERK1/2 antibody (Cat#ABG1449, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



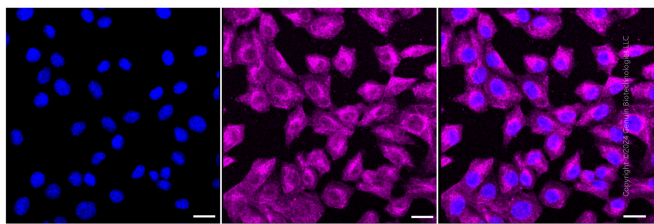
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Western blotting analysis using anti-ERK1/2 antibody (Cat#ABG1449). ERK1/2 expression in wild type (WT) and ERK1/2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ERK1/2 antibody (Cat#ABG1449, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of ERK1/2 expression in C2C12 cells using ERK1/2 antibody (Cat#ABG1449, 1:2,000). Green, isotype control; red, ERK1/2.



Immunocytochemical staining of C2C12 cells with ERK1/2 antibody (Cat#ABG1449, 1:1,000). Nuclei were stained blue with DAPI; ERK1/2 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.