9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-ERK1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1251

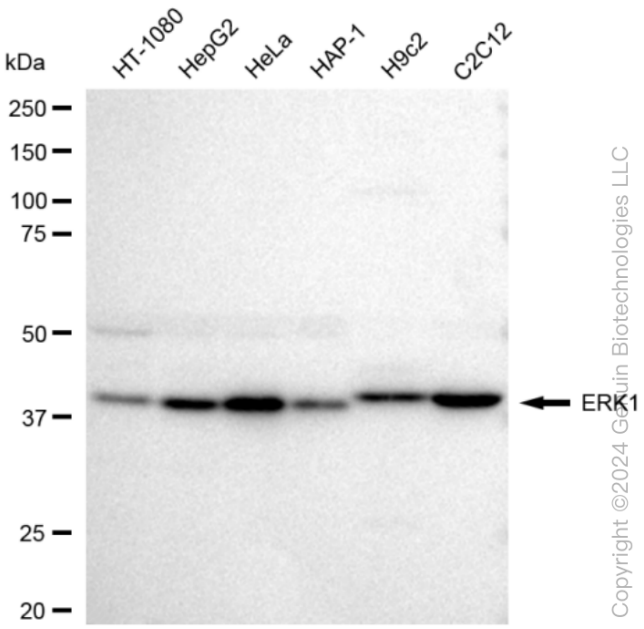
Product Overview

Name	KD-Validated Anti-ERK1 Rabbit Monoclonal Antibody
Accession(Primary)	P27361
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human ERK1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 43 kDa , observed, 40 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)

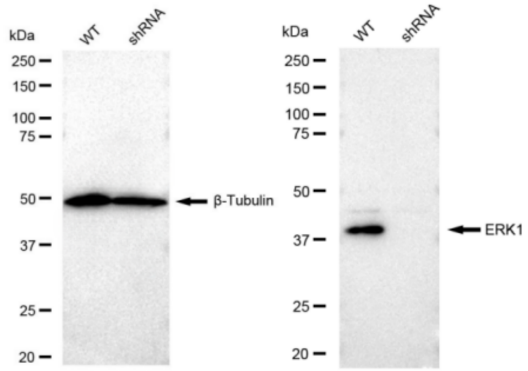
Gene Name	MAPK3
About Gene Symbol	MAPK3 (Mitogen-Activated Protein Kinase 3) is a mitogen-activated protein kinase involved in MAPK/ERK signaling. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989



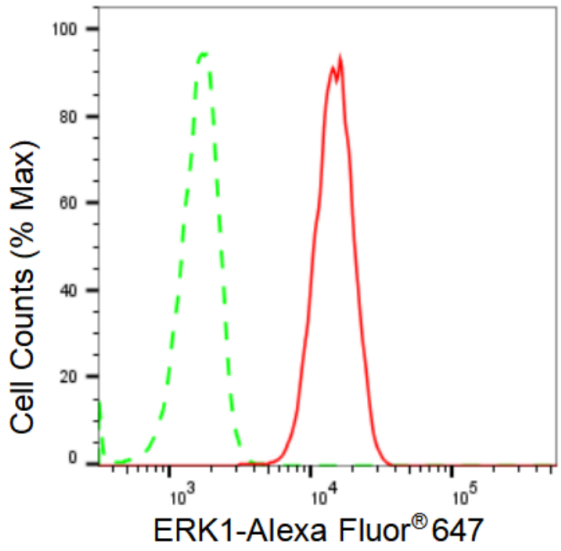
Copyright ©2024 Genuin Biotechnologies LLC

Western blotting analysis using anti-ERK1 antibody (Cat#ABG1251). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ERK1 antibody (Cat#ABG1251, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Copyright ©2024 Genuin Biotechnologies LLC

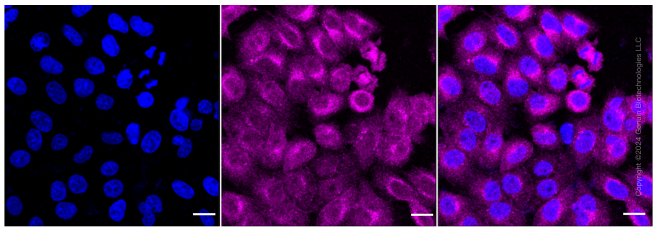
Western blotting analysis using anti-ERK1 antibody (Cat#ABG1251). ERK1 expression in wild type (WT) and ERK1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-ERK1 antibody (Cat#ABG1251, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Copyright ©2024 Genuin Biotechnologies LLC

Flow cytometric analysis of ERK1 expression in C2C12 cells using ERK1 antibody (Cat#ABG1251, 1:2,000). Green, isotype control; red, ERK1.

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989



Immunocytochemical staining of HepG2 cells with anti-ERK1 antibody (Cat#ABG1251, 1:1,000). Nuclei were stained blue with DAPI; ERK1 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.