Anti-ERK1 Recombinant Rabbit Monoclonal Antibody

Catalog #: 4043

Aliases

MAPK3; Mitogen-Activated Protein Kinase 3; ERK1; PRKM3; Extracellular Signal-Regulated Kinase 1; Microtubule-Associated Protein 2 Kinase; Insulin-Stimulated MAP2 Kinase; EC 2.7.11.24; P44-ERK1; P44-MAPK; P44ERK1; P44MAPK; ERK-1; ERT2; Extracellular Signal-Related Kinase 1; MAP Kinase Isoform P44; MAP Kinase 3; EC 2.7.11; HS44KDAP; HUMKER1A; P44mapk; P44erk1; MAPK 1; MAPK

Background

Gene Name: MAPK3
NCBI Gene Entry: 5595
UniProt Entry: P27361

Application Information

Molecular Weight: Predicted, 43 kDa; observed, 40 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB9305
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human ERK1

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

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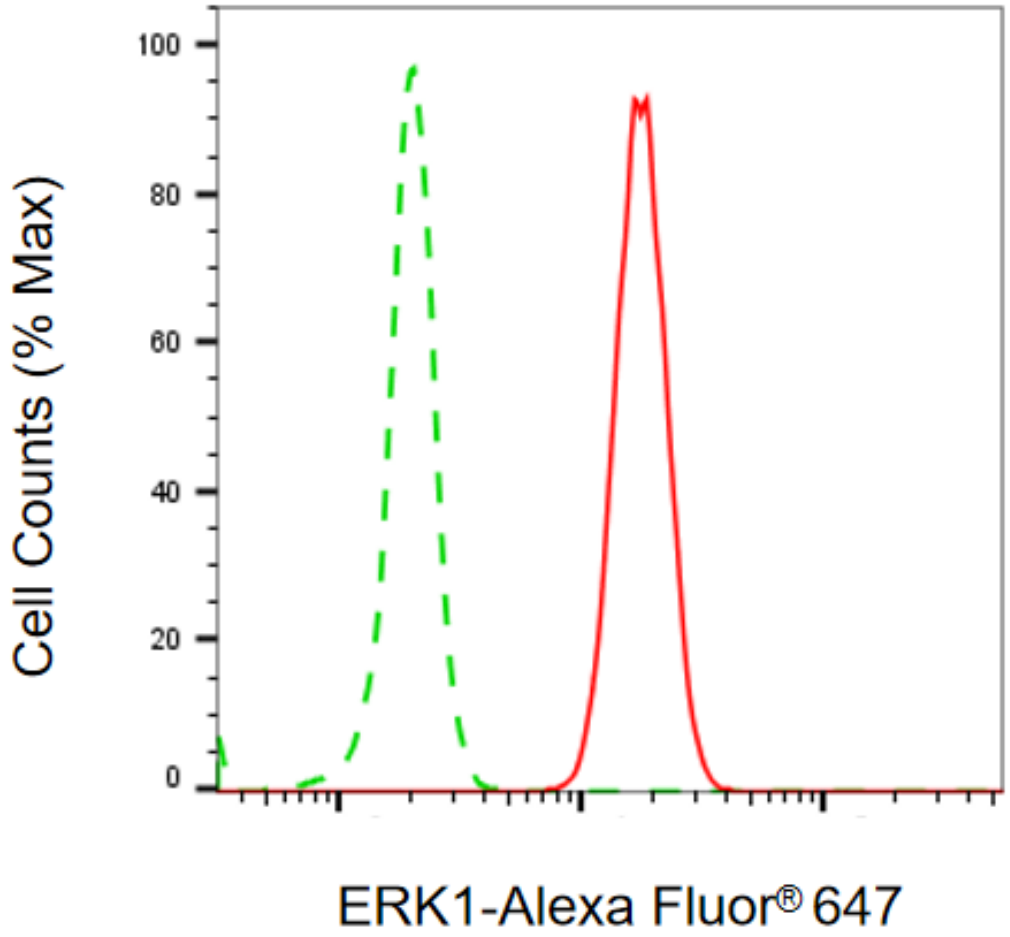
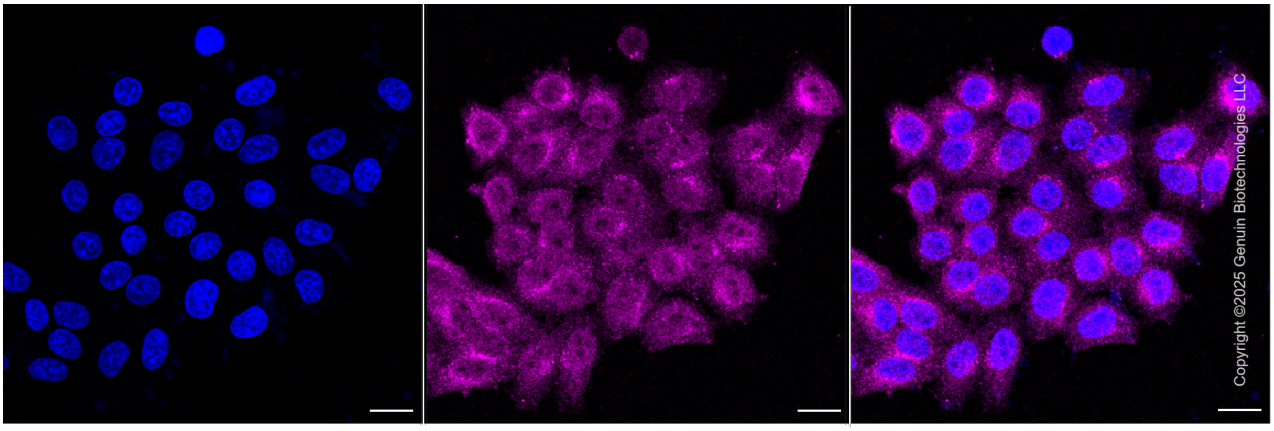
Note: This product is for research use only.

Validation Data



Flow cytometric analysis of ERK1 expression in C2C12 cells using anti-ERK1 antibody (Cat#4043, 1:2,000). Green, isotype control; red, ERK1.



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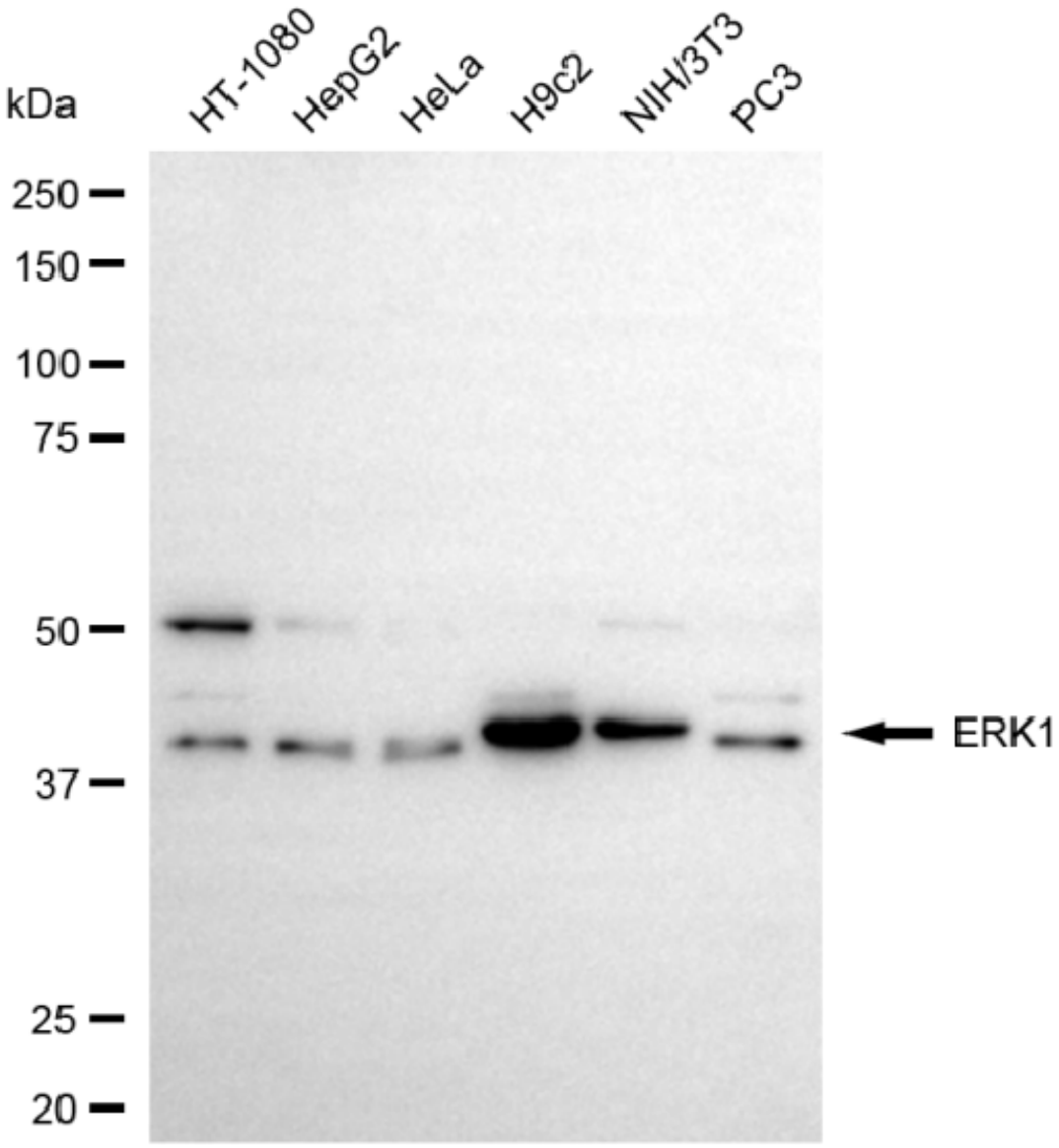
Immunocytochemical staining of HepG2 cells with anti-ERK1 antibody (Cat#4043, 1:1,000) . Nuclei were stained blue with DAPI; ERK1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-ERK1 antibody (Cat#4043). 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#4043, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).