Recombinant ERK1/2 Monoclonal Antibody

catalog number: AN300857L

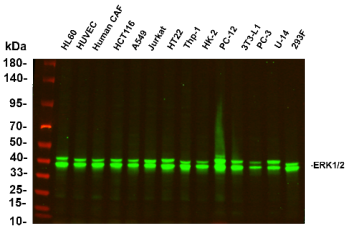
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

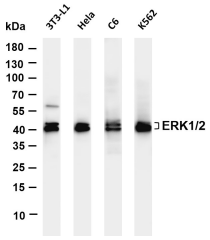
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human ERK1/2 protein
Host	Rabbit
Isotype	IgG,κ
Clone	B804
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
IHC	1:2000-1:10000
WB	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200

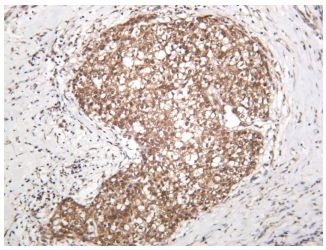
Data



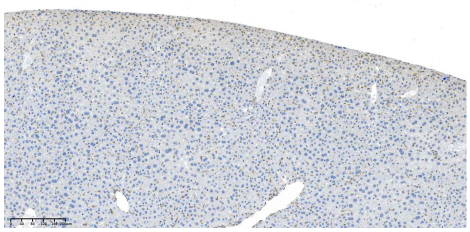
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 Lane2: HUVEC Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14 Lane14: 293F. Predicted band size: 42,44kDa Observed band size: 42,44 kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ERK1/2 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: 3T3-L1 Lane 2: Hela Lane 3: C6 Lane 4: K562 Predicted band size: 43,41kDa Observed band size: 43,41kDa



Human breast carcinoma was stained with anti-ERK1/2 rabbit antibody



Mouse liver was stained with anti-ERK1/2 Rabbit antibody

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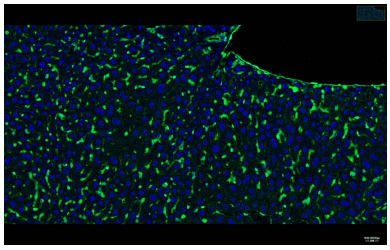
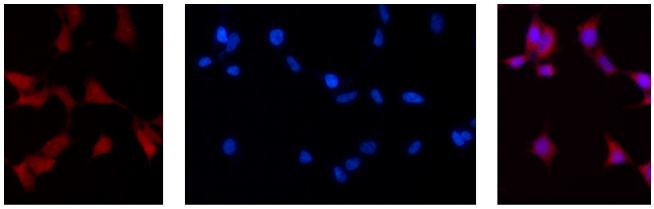


Mouse liver was stained with anti-ERK1/2 Rabbit antibody



A B C

Immunofluorescence analysis of HEK293. Picture A: ERK1/2 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

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