

AP0234

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Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb

Catalog No.: AP0234 **4 Publications**

Basic Information

Observed MW

42kDa/44kDa

Calculated MW

38kDa/40kDa/43kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:100
IF/ICC	1:20 - 1:100

Immunogen Information

Gene ID

5594/5595

Swiss Prot

P28482/P27361

Immunogen

A synthetic phosphorylated peptide around T202 of human ERK1/ERK2 (NP_002737.2).

Synonyms

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

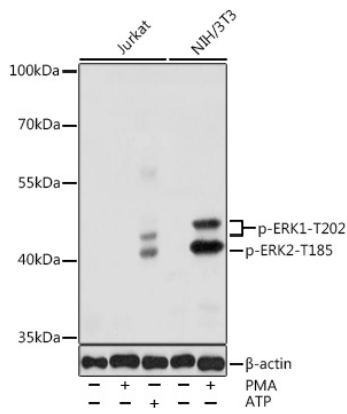
Affinity purification

Storage

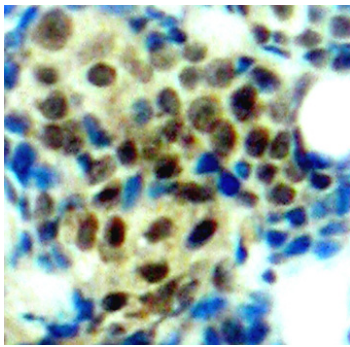
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

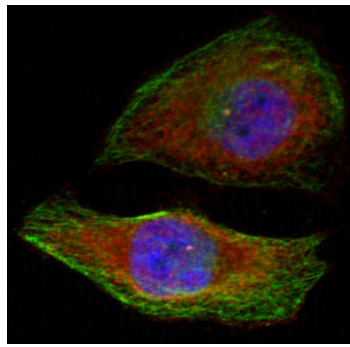
Validation Data



Western blot analysis of extracts of various cell lines, using Phospho-ERK1-T202 antibody (AP0234) at 1:1000 dilution. Jurkat and NIH/3T3 cells were treated by PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight. Jurkat cells were treated by ATP (5 mM) at 30°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Phospho-ERK1-T202 antibody (AP0234). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of methanol-fixed HeLa cells showing cytoplasmic, nuclear staining using Phospho-ERK1-T202 antibody (AP0234).