

Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb

Catalog No.: AP0234 **4 Publications**

Basic Information

Observed MW

42kDa/44kDa

Calculated MW

38kDa/40kDa/43kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

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

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

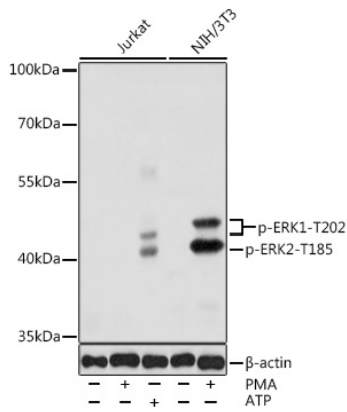
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

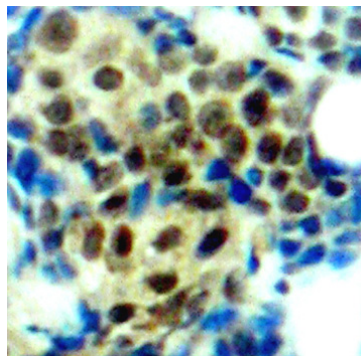
Validation Data



Western blot analysis of various lysates using Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb (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-conjugated 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.



Immunofluorescence analysis of methanol-fixed HeLa cells showing cytoplasmic, nuclear staining using Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb (AP0234).



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue, using Phospho-ERK1-T202 + ERK2-T185 Rabbit pAb (AP0234). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.