

Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit pAb

Catalog No.: AP1120 **6 Publications**

Basic Information

Observed MW

42kDa/44kDa

Calculated MW**Category**

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

Background

This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq, Jan 2014]

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

5594/ 5595

Swiss Prot

P28482/P27361

Immunogen

A synthetic phosphorylated peptide around T185/Y187 of human ERK2 (NP_002736.3).

Synonyms

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

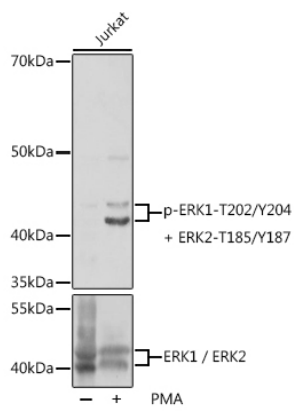
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Jurkat cells, using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 pAb (AP1120) at 1:1000 dilution or ERK1 / ERK2 antibody (A16686). Jurkat cells were treated by PMA/TPA (200 nM) at 37°C for 10 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.