

MAPK1/MAPK3 Rabbit pAb

Catalog No.: AP1122

Basic Information

Observed MW

Refer to figures

Calculated MW

36kDa/41kDa/38kDa/40kDa/43kDa

Category

Primary antibody

Applications

WB

Cross-Reactivity

Human, Mouse, Rat

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 MAPK1/MAPK3 (NP_620407.1).

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, pH7.3.