

ERK1 / ERK2 Mouse mAb

Catalog No.: A10613 **29 Publications**

Basic Information

Observed MW

42kDa/44kDa

Calculated MW

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

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

AMC0488

Background

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.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

5594/5595

Swiss Prot

P28482/P27361

Immunogen

A synthetic peptide of human ERK1 / ERK2

Synonyms

Contact

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Product Information

Source

Mouse

Isotype

IgG

Purification

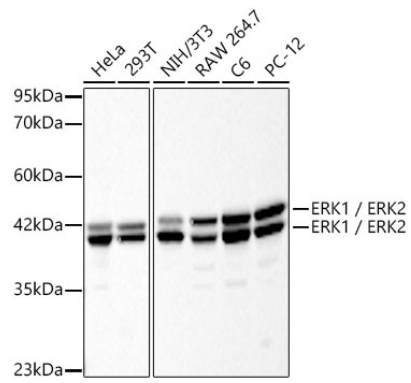
Affinity purification

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 various lysates, using ERK1 / ERK2 Mouse mAb (A10613) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20s.