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ERK1/2 Monoclonal Antibody

Cat #: G-AB-05431

Host: Mouse **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Monoclonal

Overview:
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 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. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

Gene ID:

Accession #:

Immunogen: Recombinant protein corresponding to Mouse ERK2

Conjugation: Unconjugated

Swissprot: P28482,P27361,P63085,P63086,P21708,Q63844

Calculated Molecular Weight: 42/44 kDa

Observed Molecular Weight: 42/44 kDa

Concentration: 3.2 mg/mL

Buffer: PBS with 0.02% sodium azide, 1% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB

Dilution: WB 1:500-1:2000

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