Advanced Targeting Systems

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Antibody to MAP Kinase 1/Erk2 (1B3-B9-E4)

MOUSE MONOCLONAL

Catalog Number: AB-V86
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Mouse
Isotype: IgG2a
Clone: 1B3-B9-E4
Immunogen: Murine recombinant MAP Kinase

Background: ERK2 is a serine/threonine kinase activated by mitogen-activated protein kinase 2 (MEK2) through phosphorylation of threonine 183 and tyrosine 185. It phosphorylates substrates such as microtubule-associated protein 2 (MAP2) and myelin basic protein, functioning as a key component of the MAP kinase signaling pathway. ERK2 transmits signals from growth factors, neurotransmitters, and hormones at the cell surface to transcriptional programs in the nucleus.

Specificity & Preparation: This mouse IgG2a antibody is generated against HPLC purified murine recombinant MAP kinase and recognizes avian, human, mouse and rat homologs.

Usage: Applications include western blot and immunoprecipitation. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

Scan to view all product references.

Selected References:

1. Kumar NV, Bernstein LR (2001) Ten ERK-related proteins in three distinct classes associate with AP-1 proteins and/or AP-1 DNA. J Biol Chem 276(34):32362-32372. doi: 10.1074/jbc.M103677200 PMID: 11431474

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