

p44/42 MAPK (Erk1/2) Polyclonal Antibody

CATALOG NO:	3085R-30T	30 µg (Trial size)
	3085R-100	100 µg
IMMUNOGEN:	Synthetic peptide surrounding amino acid 340 of rat ERK2/MAPK1	
INTERNAL ID#:	BV-K51	
HOST:	Rabbit	
SPECIES REACTIVITY:	Human, Mouse, Rat	

FORMULATION:

0.5 mg/ml affinity purified rabbit anti- ERK2/MAPK1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

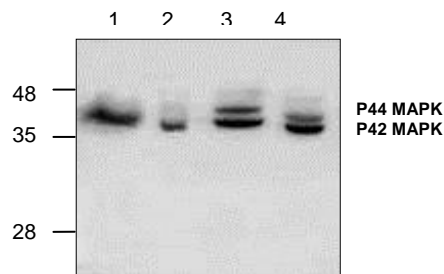
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

The extracellular signal-regulated kinase 1 and 2 (Erk1 and Erk2) are closely related mitogen activated protein (MAP) kinases that are activated through the extracellular stimulation by many growth factors, mitogens and differentiation promoting agents via a protein kinase cascade. Erk1/2 are activated approximately 1000 fold by phosphorylation of neighboring threonine and tyrosine residues by Mek1 and Mek2. Both sites must be phosphorylated for maximum activity. Erk1/2 kinases are ubiquitously distributed in the nervous system, as well as a broad range of cells and tissues. These two kinases represent proximal kinases in the classical MAP kinase cascade pathway which links growth and differentiation signals at the cell surface (through tyrosine kinase) with transcription in the nucleus.

APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3085RBP-50) is available separately.



Cat. #: 3085R-100 ERK2/MAPK1 Antibody.

Western blot analysis of p44/42 MAPK using rat kidney tissue lysate (Lane 1), mouse 3T3 cell lysate (Lane 2) and Jurkat cell lysate (Lane 3 & 4).

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- 5 Minutes DNA Ligation Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

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