10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Erk2 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10321

Specification

Erk2 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P28482.3
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

Erk2 Antibody - Additional Information

Application & Usage	**Western blotting (0.5-4 µg/ml) and Immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.**

Other Names
ERK , ERK-2 , MAPK2 , PRKM2, Extracellular signal-regulated kinase 2; ERK2; Defective in aggregation protein C; MAP kinase 2, Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; Extracellular signal-regulated kinase 2; ERK-2; Mitogen-activated protein kinase 2; MAP kinase 2; MAPK 2; MAP kinase isoform p42; p42-MAPK; ERT1.

Target/Specificity
Erk-2

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Erk2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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Erk2 Antibody - Protein Information

Erk2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Erk2 Antibody - Images

Erk2 Antibody - Background

Both p44 and p42 MAP kinases (Erk1 and Erk2) function in a protein kinase cascade that plays a critical role in the regulation of cell growth and differentiation. Activation of MAP kinases occurs thro µgh phosphorylation of threonine and tyrosine (202 and 204 of human MAP kinase [Erk1] or 183 and 185 of rat Erk2) at the sequence T*EY* by a single upstream MAP kinase kinase (MEK). Both kinases are known to weakly autophosphorylate on tyrosine.