10320 Camino Santa Fe, Suite G
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Erk5 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10289

Specification

Erk5 Antibody - Product Information

Application	**WB**
Primary Accession	Q13164.2
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

Erk5 Antibody - Additional Information

Application & Usage	**Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes ~115 kDa Erk5 of human, mouse, and rat origins.**

Other Names
BMK1 , ERK-5 , PRKM7 , MAPK7, Mitogen-activated protein kinase 7; MAP kinase 7; MAPK 7; Extracellular signal-regulated kinase 5; ERK-5; Big MAP kinase 1; BMK-1.

Target/Specificity
Erk5

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
Erk5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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Erk5 Antibody - Protein Information

Erk5 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

Erk5 Antibody - Images

Erk5 Antibody - Background

Erk-5 shares high homology in the amino-terminal kinase domain with Erk1/2. However, the long carboxy-terminal kinase domain makes Erk5 a unique MAP kinase. Erk5 is activated by a variety of extracellular signals. The direct upstream kinase of Erk5 is defined as MEK5. Studies show that Erk5 pathway is involved in proliferation, differentiation, oncogenesis, and development.