

### **ERK 3 Polyclonal Antibody**

**Catalog # AP69811** 

### **Specification**

#### **ERK 3 Polyclonal Antibody - Product Information**

Application Primary Accession Reactivity Host Clonality WB, IHC-P, IF
O16659
Human, Mouse, Rat
Rabbit
Polyclonal

## **ERK 3 Polyclonal Antibody - Additional Information**

**Gene ID** 5597

#### **Other Names**

MAPK6; ERK3; PRKM6; Mitogen-activated protein kinase 6; MAP kinase 6; MAPK 6; Extracellular signal-regulated kinase 3; ERK-3; MAP kinase isoform p97; p97-MAPK

#### Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

## **Storage Conditions**

-20°C

### **ERK 3 Polyclonal Antibody - Protein Information**

#### Name MAPK6

Synonyms ERK3, PRKM6

#### **Function**

Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle (By similarity).

### **Cellular Location**

Cytoplasm. Nucleus. Note=Translocates to the cytoplasm following interaction with MAPKAPK5

### **Tissue Location**



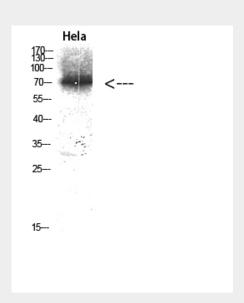
Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts

# **ERK 3 Polyclonal Antibody - Protocols**

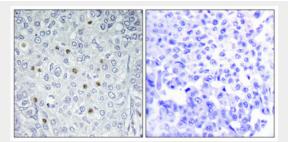
Provided below are standard protocols that you may find useful for product applications.

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

## **ERK 3 Polyclonal Antibody - Images**



Western blot analysis of Hela Lysate, antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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