

# **ERK 3 Polyclonal Antibody**

**Catalog # AP69812** 

#### **Specification**

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

Application WB
Primary Accession O16659

Reactivity Human, Mouse, Rat

Host Rabbit Clonality 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. ELISA: 1/20000. Not yet tested in other applications.

### **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

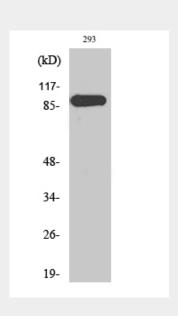


# **ERK 3 Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **ERK 3 Polyclonal Antibody - Images**



**ERK 3 Polyclonal Antibody - Background** 

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).