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ERK 3 Polyclonal Antibody
Catalog # AP63511

Specification

ERK 3 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q16659
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~~WB: 1:500-1000 IHC: 1:200-500

Format
PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.

Storage Conditions
-20℃

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

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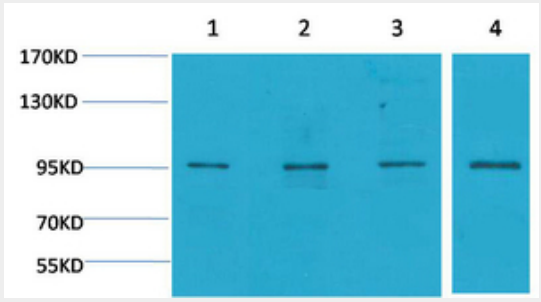
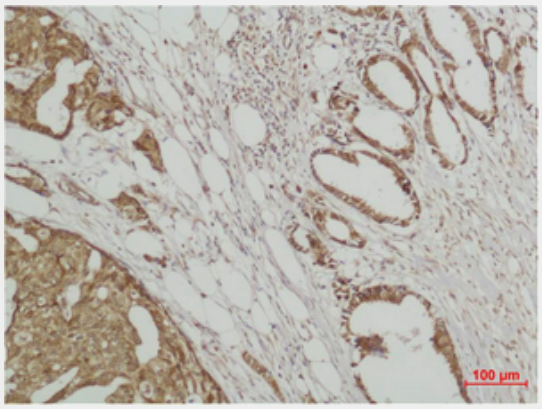
ERK 3 Polyclonal Antibody - Protocols

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





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).