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p44 MAPK ERK1 Antibody

Catalog #: ICP9810

Product Description
Affinity purified rabbit polyclonal p44 MAPK antibody is developed using the C-terminal peptide of human MAPK (ERK1).

Species
Rabbit

Formulation
250 µg/mL in TBS, 50% glycerol, 0.01% NaN_3

Storage & Stability
Product is stable for several weeks at 4°C. For extended storage, store product at -20°C. Expiration date is one year from date of shipping if stored properly.

Immunogen
Human p44 ERK1 C-terminal peptide-KLH conjugates

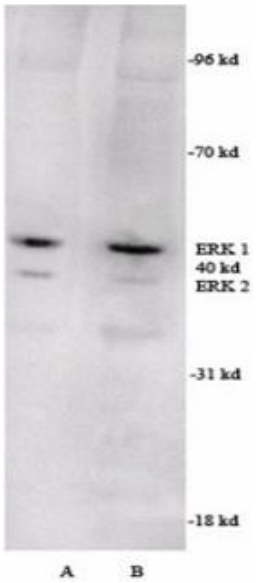
Purification
The antibody was affinity purified with the p44 ERK1 C-terminal peptide on agarose.

Specificity
The antibody recognizes p44 ERK1 of human, rat, bovine, mouse and rabbit. There is a slight cross reaction with p42 ERK2.

Applications
ELISA
WB
IP

Scientific Description
One of the members of mitogen-activated protein kinases is called P44 MAP Kinase (Erk1). It participates in cell growth and differentiation. [1,2] By phosphorylating transcription factors, (e., ELK-1), P44 MAP kinase regulates meiosis and mitosis of the cell. In the case of human MAP kinase, Erk1 activates Elk-1 through phosphorylation of threonine 202 and tyrosine 204. It is also known that Erk1 autophosphorylates tyrosine. [3]

Sample Data



Western blot analysis of mouse brain extract (B) and spleen extract (A) with ICP9810.

References
1. Charest, D.L, et al. Mol Cell Biol. 1993, 13, 4679–4690.
2. Marshall, C.J. Cell 1995, 80, 179–185.
3. Payne, D.M., et al. EMBO J. 1991, 10, 885–892.

For in vitro research use only. Not recommended or intended for diagnosis of diseases in humans or animals. Do not use in humans or in animals.

MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: p44 MAPK ERK1 Antibody **Catalog #: ICP9810**

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer's Name:	ImmuneChem Pharmaceuticals Inc.
Street Address:	*#253-5489 Byrne Road*
City, Prov. Postal Code:	*Burnaby, BC, V5J 3J1*
Fax:	604-431-6425
EMERGENCY PHONE:	604-453-0169

Article 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data

Transparent liquid.

Article 4 - Fire and Explosion Hazard

NOT APPLICABLE

Article 5 - Reactivity Data

- Chemical Stability: Stable under recommended storage conditions.
- Conditions to avoid: Light.
- Materials to Avoid: Strong oxidizing agents.
- Hazardous Products: Formed under fire conditions – Carbon oxides, Hydrogen bromide gas.

Article 6 – Toxicologically Data

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Observe all federal, state and local environmental regulations.

Article 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Article 9 - Preparation

Prepared By: Hao Xiao Phone #: 1-604-431-6425

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. ImmuneChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.