Thermo SCIENTIFIC

DATA SHEET
Rev 032309B

Mek1 Ab-1

Rabbit Polyclonal Antibody

Cat. #RB-1662-P0,-P1, or -P ((0.1ml, 0.5ml, or 1.0ml at 1.0mg/ml)) (Purified Ab with BSA and Azide)
Cat. #RB-1662-P1ABX or -PABX (0.5ml or 1.0ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #RB-1662-PCL (0.1ml) (Positive Control for Western Blot)

Description: Mek1 / mitogen activated protein kinase kinase / ERK kinase 1 / micritubule-associated protein 2 kinase is a dual specificity kinase and catalyses both a threonine and a tyrosine residue on MAP kinases ERK1 and ERK2. Mek1 is activated by phosphorylation of serine 218 and 222 residues by Raf1. It is known to be involved in the signaling during stress activate response, apoptosis and proliferative induction by cytokines.

Mol. Wt. of Antigen: 48kDa

Epitope: N-terminal

Species Reactivity: Human, Rat, Mouse and Xenopus. Others-not tested.

Immunogen: A synthetic peptide derived from the N-terminus of human Mek1 protein.

Applications and Suggested Dilutions:

- Western Blotting (Ab 5µg/ml for 2 hrs at RT)

The optimal dilution for a specific application should be determined by the investigator.

Positive Control: HeLa cells

Cellular Localization: Cytoplasmic

Supplied As:

Total IgG purified from rabbit anti-serum by Protein A chromatography. Prepared at 1mg/ml in 10mM PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide. Also available without BSA and azide at 1mg/ml.

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Suggested References:

1. Xu L, et al. (1997) Genes dev11: 106-118.
2. Hardie G. and Hanks S. (1995)TheProtein Kinase Book, Protein-Serine Kinases. Academic Press Limited, San Diego, CA

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

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