

Anti-MEK3 Antibody (1C515)

Product Details

| | |
|-------------------|-----------------------------|
| Ig Type: | IgG |
| Reactivity: | Human (predicted:Mouse,Rat) |
| Molecular Weight: | Theoretical: 39 kDa. |
| Clone: | 1C515 |
| Purification: | Protein A purified |

Applications

| | |
|--------------------|---|
| Verified Activity: | Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:1000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: HeLa, 2: HepG2, 3: C6, 4: NIH/3T3 Protein loading quantity: 20 µg Exposure time: 30 s Predicted MW: 39 kDa Observed MW: 36, 39 kDa |
| Application: | WB |
| Recommended | WB: 1:500-1000 |

Properties

| | |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

| | |
|------------------|--|
| Immunogen: | KLH conjugated synthetic peptide: human MEK3 |
| Antigen Species: | Human |
| Gene ID: | 5606 |
| Uniprot ID: | P46734 |

Research Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481