

Datasheet for ABIN1682965

anti-MAP2K3 antibody

4 Images

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Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | MAP2K3 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This MAP2K3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|---|
| Immunogen: | A synthesized peptide derived from human MEK3 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Monoclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | MAP2K3 |
| Alternative Name: | MAP2K3 (MAP2K3 Products) |
| 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 |

Target Details

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 Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq, Jul 2008],MAPKK3, MEK3, MKK3, PRKMK3, SAPKK-2, SAPKK2,B Cell Receptor Signaling Pathway,Cancer,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Cytoskeleton,Cytoskeleton_Actins,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,G protein signaling,G protein signaling_G-Protein-Coupled Receptors Signaling to MAPK/Erk,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Innate Immunity_TLR Signaling,Kinase,Kinase_Serine/threonine kinases,Kinase_Tyrosine kinases,MAPK-P38 Signaling Pathway,Neurodegenerative Diseases,Neuroscience,Signal Transduction,TGF-b-Smad Signaling Pathway,Toll-like Receptor Signaling Pathway,MAP2K3

Molecular Weight: 39 kDa

Gene ID: 5606

UniProt: [P46734](#)

Pathways: [MAPK Signaling](#), [TLR Signaling](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#), [Autophagy](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

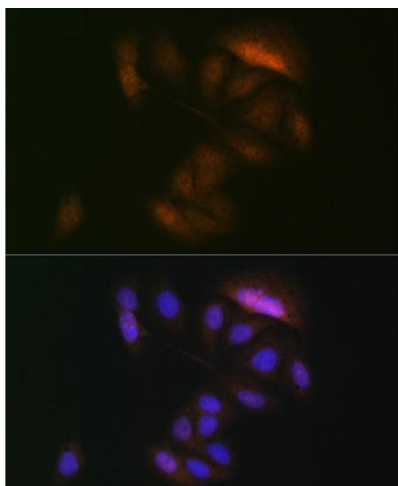
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

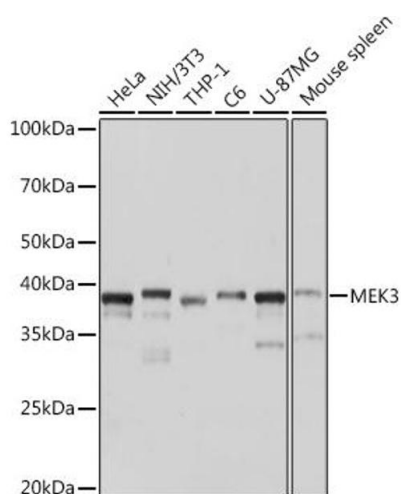
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



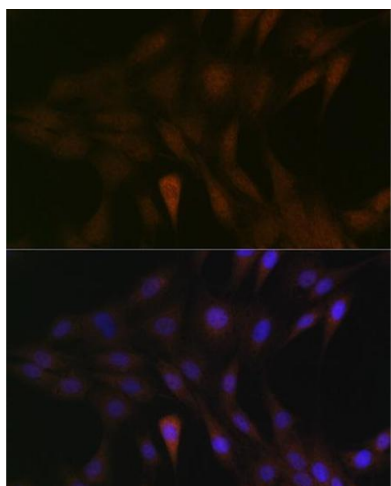
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using MEK3 Rabbit mAb (ABIN1682965, ABIN3017630, ABIN3017631 and ABIN7101512) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MEK3 Rabbit mAb (ABIN1682965, ABIN3017630, ABIN3017631 and ABIN7101512) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using MEK3 Rabbit mAb (ABIN1682965, ABIN3017630, ABIN3017631 and ABIN7101512) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1682965.