antibodies

# Datasheet for ABIN5542527 anti-MAP3K7 antibody (AA 471-579)

3 Images



Overview

| Quantity             | 0.1 mg  |
|----------------------|---|
| Quantity:            | 0.1 mg  |
| Target:              | MAP3K7  |
| Binding Specificity: | AA 471-579  |
| Reactivity:          | Human   |
| Host:                | Mouse   |
| Clonality:           | Monoclonal  |
| Conjugate:           | This MAP3K7 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow<br>Cytometry (FACS) |

## Product Details

| Immunogen:    | Purified recombinant fragment of human MAP3K7 (AA: 471-579) expressed in E. coli. |
|---------------|---|
| Clone:        | 3E8H4   |
| Isotype:      | lgG2a   |
| Purification: | purified  |

### Target Details

| Target:           | MAP3K7  |
|-------------------|---|
| Alternative Name: | MAP3K7 (MAP3K7 Products)  |
| Background:       | Description: The protein encoded by this gene is a member of the serine/threonine protein |

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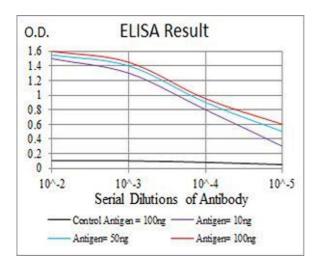
### Target Details

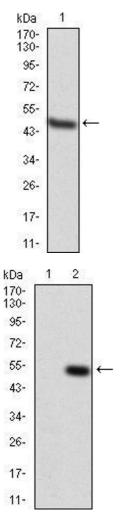
|                   | kinase family. This kinase mediates the signaling transduction induced by TGF beta and             |
|-------------------|--|
|                   | morphogenetic protein (BMP), and controls a variety of cell functions including transcription      |
|                   | regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including       |
|                   | TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2, this complex is required for the activation of             |
|                   | nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus             |
|                   | plays a role in the cell response to environmental stresses. Four alternatively spliced transcript |
|                   | variants encoding distinct isoforms have been reported.,   |
|                   | Aliases: TAK1, MEKK7, TGF1a  |
| Molecular Weight: | 67.2 kDa   |
| Gene ID:          | 6885   |
| HGNC:             | 6885   |
| Pathways:         | NF-kappaB Signaling, TCR Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway,          |
|                   | Activation of Innate immune Response, Regulation of Leukocyte Mediated Immunity, Positive          |
|                   | Regulation of Immune Effector Process, Production of Molecular Mediator of Immune                  |
|                   | Response, Tube Formation, Toll-Like Receptors Cascades, BCR Signaling, Ubiquitin Proteasome        |
|                   | Pathway  |
|                   |  |

### Application Details

| Application Notae: |  |
|--------------------|--|
| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM:                         |
| Restrictions:      | For Research Use only  |
|                    |  |
| Handling           |  |
| Format:            | Liquid   |
| Buffer:            | Purified antibody in PBS with 0.05 % sodium azide and 0.5 % protein stabilizer |
| 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:           | 4 °C/-20 °C  |
| Storage Comment:   | 4°C, -20°C for long term storage   |

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### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

#### Western Blotting

**Image 2.** Western blot analysis using MAP3K7 mAb against human MAP3K7 (AA: 471-579) recombinant protein. (Expected MW is 45.1 kDa)

| Western Blotting  |
|---|
| Image 3. Western blot analysis using MAP3K7 mAb against |
| HEK293 (1) and MAP3K7 (AA: 471-579)-hlgGFc transfected  |
| HEK293 (2) cell lysate.                                 |

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