

Datasheet for ABIN7150726

**anti-MAP2K7 antibody (AA 17-160) (Biotin)**[Go to Product page](#)

## Overview

|                      |                                              |
|----------------------|----------------------------------------------|
| Quantity:            | 100 µg                                       |
| Target:              | MAP2K7                                       |
| Binding Specificity: | AA 17-160                                    |
| Reactivity:          | Human                                        |
| Host:                | Rabbit                                       |
| Clonality:           | Polyclonal                                   |
| Conjugate:           | This MAP2K7 antibody is conjugated to Biotin |
| Application:         | ELISA                                        |

## Product Details

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Dual specificity mitogen-activated protein kinase kinase 7 protein (17-160AA) |
| Isotype:          | IgG                                                                                             |
| Cross-Reactivity: | Human                                                                                           |
| Purification:     | >95%, Protein G purified                                                                        |

## Target Details

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Target:           | MAP2K7                                                                                      |
| Alternative Name: | MAP2K7 ( <a href="#">MAP2K7 Products</a> )                                                  |
| Background:       | Background: Dual specificity protein kinase which acts as an essential component of the MAP |

## Target Details

kinase signal transduction pathway. Essential component of the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. With MAP2K4/MKK4, is the one of the only known kinase to directly activate the stress-activated protein kinase/c-Jun N-terminal kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3. MAP2K4/MKK4 and MAP2K7/MKK7 both activate the JNKs by phosphorylation, but they differ in their preference for the phosphorylation site in the Thr-Pro-Tyr motif. MAP2K4/MKK4 shows preference for phosphorylation of the Tyr residue and MAP2K7/MKK7 for the Thr residue. The monophosphorylation of JNKs on the Thr residue is sufficient to increase JNK activity indicating that MAP2K7/MKK7 is important to trigger JNK activity, while the additional phosphorylation of the Tyr residue by MAP2K4/MKK4 ensures optimal JNK activation. Has a specific role in JNK signal transduction pathway activated by proinflammatory cytokines. The MKK/JNK signaling pathway is also involved in mitochondrial death signaling pathway, including the release cytochrome c, leading to apoptosis.

Aliases: c-Jun N-terminal kinase kinase 2 antibody, Dual specificity mitogen activated protein kinase kinase 7 antibody, Dual specificity mitogen-activated protein kinase kinase 7 antibody, JNK activating kinase 2 antibody, JNK kinase 2 antibody, JNK-activating kinase 2 antibody, JNKK 2 antibody, Jnkk-2 antibody, Jnkk2 antibody, MAP kinase kinase 7 antibody, MAP2K7 antibody, MAPK/ERK kinase 7 antibody, MAPKK 7 antibody, MAPKK-7 antibody, MAPKK7 antibody, MEK 7 antibody, Mitogen Activated Protein Kinase kinase 7 antibody, MKK 7 antibody, MKK-7 antibody, MKK7 antibody, MP2K7\_HUMAN antibody, PRKMK 7 antibody, PRKMK-7 antibody, PRKMK7 antibody, SAPK kinase 4 antibody, SAPKK-4 antibody, SAPKK4 antibody, Sek 2 antibody, Sek-2 antibody, Sek2 antibody, SKK4 antibody, stress-activated protein kinase kinase 4 antibody

|           |                                                                                                                                                                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <a href="#">O14733</a>                                                                                                                                                                                                                                       |
| Pathways: | <a href="#">MAPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a> |

## Application Details

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
|---------|--------|

## Handling

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|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Buffer:            | Preservative: 0.03 % Proclin 300<br>Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4                                |
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C,-80 °C                                                                                                     |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                     |