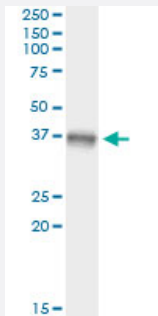


# MAP2K3 (Human) IP-WB Antibody Pair

Catalog # H00005606-PW1

Size 1 Set

## Applications



Immunoprecipitation of MAP2K3 transfected lysate using mouse monoclonal anti-MAP2K3 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse monoclonal anti-MAP2K3.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of MAP2K3 transfected lysate using mouse monoclonal anti-MAP2K3 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with mouse monoclonal anti-MAP2K3.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-MAP2K3 (300 ug) 2. Antibody pair for WB: mouse monoclonal anti-MAP2K3 (50 ug)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — MAP2K3

**Entrez GeneID** [5606](#)**Gene Name** MAP2K3**Gene Alias** MAPKK3, MEK3, MKK3, PRKMK3**Gene Description** mitogen-activated protein kinase kinase 3**Omim ID** [602315](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP 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]

**Other Designations** MAP kinase kinase 3|MAPK/ERK kinase 3|OTTHUMP00000166044|dual specificity mitogen activated protein kinase kinase 3

## Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Fc epsilon RI signaling pathway](#)
- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)
- [Toll-like receptor signaling pathway](#)