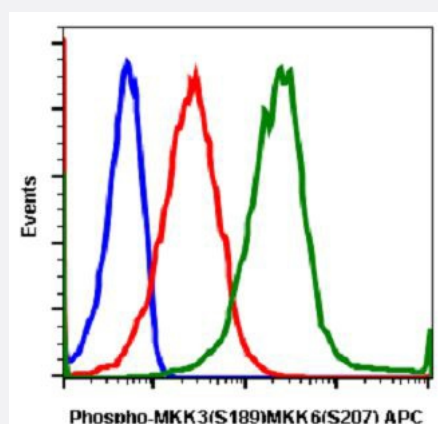


# MAP2K3/MAP2K6 (phospho S189/S207) monoclonal antibody, clone D3 (APC)

Catalog # MAB18964      Size 10 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of HEK293T cells K252a treated cells as negative control (blue) or stained and treated with K252a (red) or treated with UV+TPA (green) using MAP2K3/MAP2K6 (phospho S189/S207) monoclonal antibody (APC).

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAP2K3/MAP2K6.
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding S189/S207 of human MAP2K3/MAP2K6.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Conjugation</b>	APC
<b>Purification</b>	Protein A/G Purification
<b>Isotype</b>	IgG1k

**Recommend Usage**

Flow Cytometry (5  $\mu$ L/10<sup>6</sup> cells or 0.05  $\mu$ g/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer**

In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

**Storage Instruction**

Store at 2-8°C.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

Flow cytometric analysis of HEK293T cells K252a treated cells as negative control (blue) or stained and treated with K252a (red) or treated with UV+TPA (green) using MAP2K3/MAP2K6 (phospho S189/S207) monoclonal antibody (APC).

## 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

## Gene Info — MAP2K6

Entrez GeneID [5608](#)

Gene Name MAP2K6

Gene Alias MAPKK6, MEK6, MKK6, PRKMK6, SAPKK3

Gene Description mitogen-activated protein kinase kinase 6

Omim ID [601254](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. [provided by RefSeq]

**Other Designations** protein kinase, mitogen-activated, kinase 6 (MAP kinase kinase 6)

## Pathway

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

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Huntington disease](#)