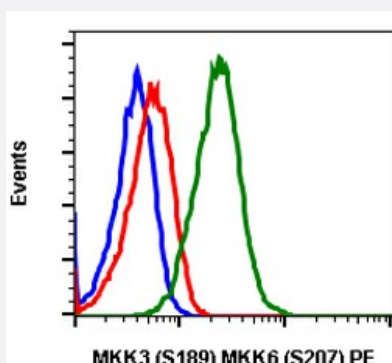


RecomAb™

MAP2K3 recombinant monoclonal antibody, clone MKK3S189MKK6S207-D3 (PE)

Catalog # RAB02992 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HEK293T cells unstained K252a treated cells as negative control (blue) or stained and treated with K252a (red) or treated with UV+TPA (green) using phospho-MKK3(Ser189)/MKK6(Ser207) antibody MKK3S189MKK6S207-D3 PE conjugate

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAP2K3.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser189 of human phospho MKK3 and Ser207 of human phospho MKK6.
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — MAP2K3

Entrez GeneID	5606
Protein Accession#	P46734
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 \(ALS\)](#)
- [Ec epsilon RI signaling pathway](#)
- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)
- [Toll-like receptor signaling pathway](#)