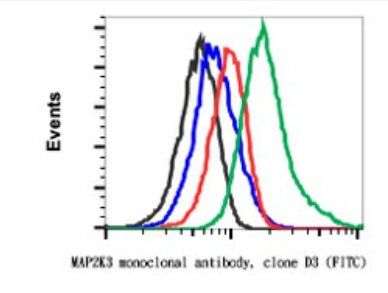
MAP2K3 (phospho S189/S207) monoclonal antibody, clone D3 (FITC)

Catalog # MAB23420 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HEK293 cells with MAP2K3 (phospho S189/S207) monoclonal antibody, clone D3 (FITC)(Cat # MAB23420). Treated with K252a (red) or treated with UV+TPA (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAP2K3.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser257 of human phospho SEK 1/MKK4
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN_3, 0.2% BSA)
Storage Instruction	Store at 4°C. Do not freeze.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 kina se 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/p3 8-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose t ransporter. 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 tr ansformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersi na pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isofor ms have been reported for this gene. [provided by RefSeq
Other Designations	MAP kinase kinase 3|MAPK/ERK kinase 3|OTTHUMP00000166044|dual specificity mitogen acti vated protein kinase kinase 3

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Fc epsilon RI signaling pathway

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- GnRH signaling pathway
- MAPK signaling pathway
- Toll-like receptor signaling pathway

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