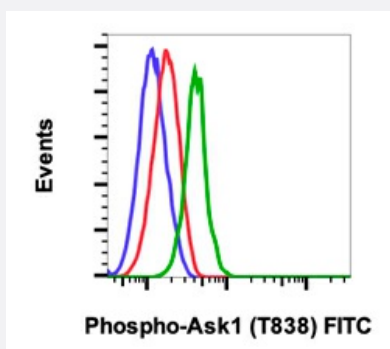


RecomAb™

MAP3K5 recombinant monoclonal antibody, clone MKK3S189MKK6S207-D3 (FITC)

Catalog # RAB02820 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of NIH3T3 cells treated with staurosporine and unstained as negative control (blue) or treated with staurosporine (red) or with PDGF (green) and stained using Phospho-Ask1 (Thr838) antibody FITC conjugate Ask1T838-8D12.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAP3K5.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser189 of human phospho MK K3 and Ser207 of human phospho MKK6.
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Conjugation Note	FITC
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

Flow cytometric analysis of NIH3T3 cells treated with staurosporine and unstained as negative control (blue) or treated with staurosporine (red) or with PDGF (green) and stained using Phospho-Ask1 (Thr838) antibody FITC conjugate Ask1T838-8D12.

Gene Info — MAP3K5

Entrez GeneID	4217
Protein Accession#	Q99683
Gene Name	MAP3K5
Gene Alias	ASK1, MAPKKK5, MEKK5
Gene Description	mitogen-activated protein kinase kinase kinase 5
Omim ID	602448
Gene Ontology	Hyperlink

Gene Summary	Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]
--------------	---

Other Designations	MAP/ERK kinase kinase 5 MAPK/ERK kinase kinase 5 OTTHUMP00000017275 apoptosis signal regulating kinase
--------------------	--

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)