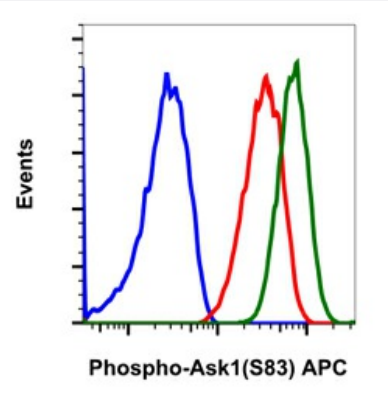
RecomAb™

MAP3K5 recombinant monoclonal antibody, clone Ask1S83-G4 (APC)

Catalog # RAB02929 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HT1080 human fibrosarcoma cells, treated with imatinib and unstained as negative control (blue), or treated with imatinib and stained (red) or treated with pervanadate and stained (green) using Phospho-Ask1 (Ser83) antibody Ask1S83-G4 APC conjugate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MAP3K5.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser83 of human phospho Ask1
Reactivity	Human
Form	Liquid
Conjugation	APC
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 shoul d be handled by trained staff only.

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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 sign al-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, MA PK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are high ly 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 tr anscript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphor ylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kin ase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 c ells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq
Other Designations	MAP/ERK kinase kinase 5|MAPK/ERK kinase kinase 5|OTTHUMP00000017275|apoptosis sign al 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