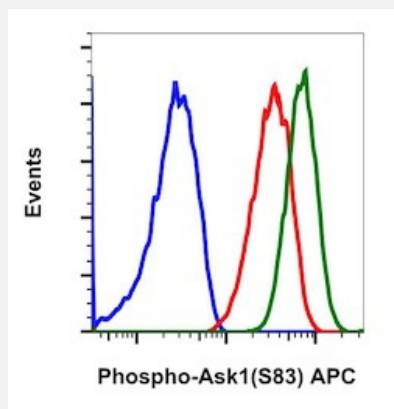


MAP3K5 (phospho S83) monoclonal antibody, clone G4 (APC)

Catalog # MAB23436 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HT-1080 human fibrosarcoma unstained cells with MAP3K5 (phospho S83) monoclonal antibody, clone G4 (APC) (Cat # MAB23436). Unstained treated with imatinib as negative control (blue) or stained treated with imatinib (red) or treated with pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAP3K5.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S83 of human MAP3K5.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Conjugation	APC
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) 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 4°C.

Note

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

Applications

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Gene Info — MAP3K5

Entrez GeneID

[4217](#)

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](#)