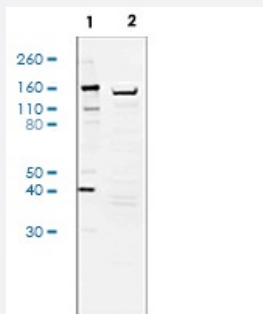


RecomAb™

# MAP3K5 recombinant monoclonal antibody, clone Ask1S83-G4

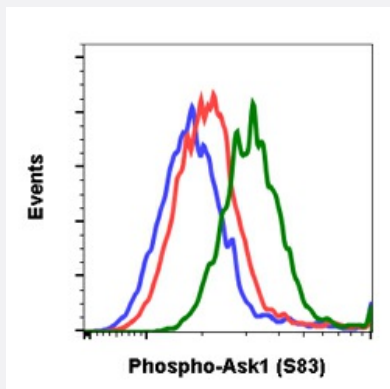
Catalog # RAB02796      Size 200 uL

## Applications



### Western Blot

Western blot analysis of L929 cell extract treated with 20% FBS using Phospho-Ask1 (Ser83) antibody Ask1S83-G4 at 0.01 ug/mL.



### Flow Cytometry

Flow cytometric analysis of K562 cells secondary antibody only negative control (blue) or treated with imatinib (red) or with IFNα + IL-4 + pervanadate (green) using Phospho-Ask1 (Ser83) antibody Ask1S83-G4 at 5 ng/mL.

## 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

Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

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Flow cytometric analysis of K562 cells secondary antibody only negative control (blue) or treated with imatinib (red) or with IFN $\alpha$  + IL-4 + pervanadate (green) using Phospho-Ask1 (Ser83) antibody Ask1S83-G4 at 5 ng/mL.

## Gene Info — MAP3K5

Entrez GeneID	<a href="#">4217</a>
Protein Accession#	<a href="#">Q99683</a>
Gene Name	MAP3K5
Gene Alias	ASK1, MAPKKK5, MEKK5
Gene Description	mitogen-activated protein kinase kinase kinase 5
Omim ID	<a href="#">602448</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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](#)