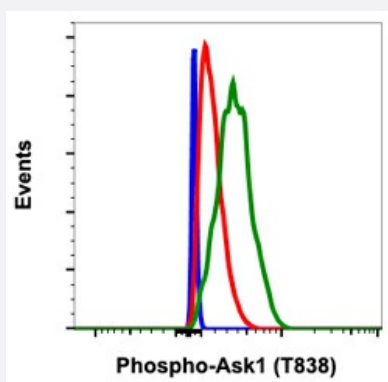


RecomAb™

# MAP3K5 recombinant monoclonal antibody, clone Ask1T838-8D12

Catalog # RAB02860      Size 200 uL

## 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 Ask1T838-8D12 at 5ng/mL.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human MAP3K5.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	A synthetic phospho-peptide corresponding to residues surrounding Thr838 of human phospho Ask1
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A+G
<b>Isotype</b>	Rabbit IgG1k
<b>Recommend Usage</b>	Flow Cytometry The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	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

- 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 Ask1T838-8D12 at 5ng/mL.

## 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](#)