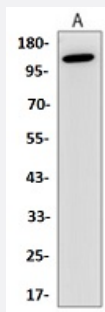


RecomAb™

ASK1 recombinant monoclonal antibody

Catalog # RAB02472 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa (A) whole cell lysates with ASK1 recombinant monoclonal antibody (Cat # RAB02472).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ASK1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human ASK1.
Theoretical MW (kDa)	155
Reactivity	Human
Specificity	Recognizes endogenous levels of ASK1 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C short term.
Aliquot and store at -20°C long term.
Avoid freeze-thaw cycles.

Note

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

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa (A) whole cell lysates with ASK1 recombinant monoclonal antibody (Cat # RAB02472).

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](#)