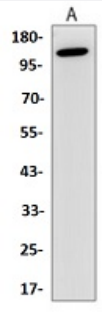
RecomAb™

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
Preparation Method	Mammalian cell (HEK293) expression system
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.

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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 shoul d be handled by trained staff only.

Applications

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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

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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

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