



ASK1 (Phospho Thr838) rabbit pAb

Catalog No	YP-Ab-14630
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB; ELISA
Gene Name	MAP3K5 ASK1 MAPKKK5 MEKK5
Immunogen	Synthesized peptide derived from human ASK1 (Phospho Thr838)
Specificity	This antibody detects endogenous levels of Human ASK1 (Phospho Thr838)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ASK-1;MAP3K5;Apoptosis signal-regulating kinase 1;ASK 1;EC:2.7.11.25;ASK1; MAP3K5 ASK1 MAPKKK5 MEKK5;ASK1 (Phospho Thr838);Mitogen-activated protein kinase kinase kinase 5 (EC 2.7.11.25;MAPK/ERK kinase kinase 5;MEK kinase 5;MEKK 5)
Observed Band	155 kDa
Calculated Molecular Weight	155 kDa
Cell Pathway	Cytoplasm . Endoplasmic reticulum. Interaction with 14-3-3 proteins alters the distribution of MAP3K5/ASK1 and restricts it to the perinuclear endoplasmic reticulum region.
Tissue Specificity	Abundantly expressed in heart and pancreas.
Function	MAPKKK cascade, activation of MAPK activity, regulation of protein amino acid phosphorylation, protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process, apoptosis, induction of apoptosis, intracellular signaling cascade, protein kinase cascade, JNK cascade, activation of JUN kinase activity, cell death,induction of apoptosis by extracellular signals, regulation of protein kinase cascade, regulation of cell death, positive regulation of cell death, programmed cell death, induction of programmed cell death, death, phosphorylation,regulation of phosphate metabolic process, stress-activated



protein kinase signaling pathway, regulation of protein modification process, regulation of cellular protein metabolic process, cellular response to stress, positive regulation of kinase activity, regulation of phosphorylation, regulation of apoptosis, positive regulati

Background

catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,enzyme regulation:Contains an N-terminal autoinhibitory domain. Activated by phosphorylation at Thr-838, inhibited by phosphorylation at Ser-966 and Ser-1033. Binds to, and stabilizes MAP3K6 and is activated by MAP3K6 by phosphorylation on Thr-838.,function:Component of a protein kinase signal transduction cascade. Phosphorylates and activates MAP2K4 and MAP2K6, which in turn activate the JNK and p38 MAP kinases, respectively. Overexpression induces apoptotic cell death.,induction:By TNF-alpha. Inhibited by HIV-1 Nef.,similarity:Belongs to the protein kinase superfamily., similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Homodimer when inactive. Binds both upstream activators and downstream substrates in multimolecular complexes. Associates with and inhibited by HIV-1 Nef. Interacts with DAB2IP and PPM1L.,tissue specificity:Abundantly expressed in heart and pancreas.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

