ELK Biotechnology

ASK1 (Phospho Thr838) rabbit pAb

Cat No.:ES20167

For research use only

Overview

Product Name	ASK1 (Phospho Thr838) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
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.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	ASK1 (Phospho Thr838)
Gene Name	MAP3K5 ASK1 MAPKKK5 MEKK5
Cellular localization	Cytoplasm . Endoplasmic reticulum. Interaction with 14-3-3 proteins alters the distribution of MAP3K5/ASK1 and restricts it to the perinuclear endoplasmic reticulum region.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	155kD
Human Gene ID	4217
Human Swiss-Prot Number	Q99683
Alternative Names	Mitogen-activated protein kinase kinase kinase 5 (EC 2.7.11.25;Apoptosis signal-regulating kinase 1;ASK-1;MAPK/ERK kinase kinase 5;MEK kinase 5;MEKK 5)
Background	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Contains an N-terminal autoinhibitory

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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.,