

ASK1 (Phospho-Thr845) Antibody Biotin Conjugated

Catalog No: #C04441B

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Description

Product Name	ASK1 (Phospho-Thr845) Antibody Biotin Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB
Species Reactivity	Hu Ms
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 825-875 1380 derived from mouse ASK1 around the phosphorylation site of Thr845
Conjugates	Biotin
Target Name	ASK1 Thr845
Other Names	ASK; ASK1; Mekk5; MAPKKK5; 742452D2Rik; Mitogen-activated protein kinase kinase kinase 5; Apoptosis signal-regulating kinase 1; ASK-1; MAPK ERK kinase kinase 5; MEK kinase 5; MEKK 5; Map3k5
Accession No.	Swiss-Prot#O35099NCBI Gene ID26408
Cell Localization	Cytoplasm
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

Western blotting: 1:100-1000

Background

Serine threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses evoked by changes in the environment. Mediates signaling for determination of cell fate such as differentiation and survival. Plays a crucial role in the apoptosis signal transduction pathway through mitochondria-dependent caspase activation. MAP3K5 ASK1 is required for the innate immune response, which is essential for host defense against a wide range of pathogens. Mediates signal transduction of various stressors like oxidative stress as well as by receptor-mediated inflammatory signals, such as the tumor necrosis factor (TNF) or lipopolysaccharide (LPS). Once activated, acts as an upstream activator of the MKK JNK signal transduction cascade and the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases like MAP2K4 SEK1, MAP2K3 MKK3, MAP2K6 MKK6 and MAP2K7 MKK7. These MAP2Ks in turn activate p38 MAPKs and c-jun N-terminal kinases (JNKs). Both p38 MAPK and JNKs control the transcription factors activator protein-1 (AP-1).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.