

SEK1 (MKK4/JKK1) Polyclonal Antibody

CATALOG NO:	3871-30T	30 µg (Trial size)
	3871-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 347 of mouse SEK1 (Internal ID# BV-964)	
SPECIES REACTIVITY:	Human, Mouse, Dog	

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

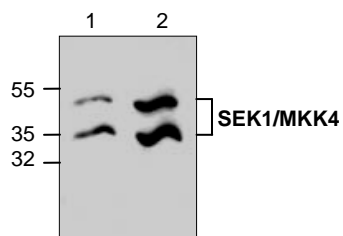
SAPK/Erk kinase (SEK1), also known as MKK4 or Jun kinase kinase (JNKK), activates the MAP kinase homologues SAPK and JNK in response to various cellular stresses and inflammatory cytokines. Activation of SEK1 occurs through phosphorylation of serine and threonine residues at positions 257 and 261, respectively, by MEKK. Like MEK, SEK is a dual-specificity protein kinase that phosphorylates SAPK/JNK at a conserved T*PY* site in its activation loop. Phosphorylation by Akt at Ser80 inhibits SEK1 and suppresses the stress-activated signal transduction.

SPECIFICITY:

The antibody recognizes unphosphorylated and phosphorylated SEK1 from samples of human, mouse, and dog origins. Blocking peptide (Cat.# 3871BP-50) is available separately.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually.



Cat. #: 3871-100
Western blot analysis of SEK1 expression with Jurkat cell lysate (Lane 1, 2)

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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Cell Proliferation & Senescence

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- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
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- 5 Minutes DNA Ligation Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies