Rabbit SEK1 Polyclonal Antibody | anti-SEK1 antibody

SEK1 antibody

CATALOG #	HOST	APPLICATIONS
AAA224345	**Rabbit**	**Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

SEK1; Polyclonal Antibody; SEK1 antibody; Polyclonal SEK1; Anti-SEK1; JNKK; SEK 1; SEK-1; Jun kinase kinase; Ab 80; anti-SEK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	SEK1 antibody was purified by immunoaffinity chromatography.
Form/Format	Supplied in liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	397
Applicable Applications for anti-SEK1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	SEK1 activates the MAP kinase homologues SAPK and JNK in response to various cellular stresses and inflamatory cytokines. Activation of SEK1 occurs through MEKK phosphorylation of serine and threonine residues at positions 257 and 261, respectively. 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 stress-activated signal transduction.
Cross-Reactivity	Human, Mouse, Rat
Immunogen	SEK1 antibody was raised in Rabbit using the peptide sequence around aa 78~82 (T-H-S-I-E) derived from Human SEK1/MKK4 as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of extracts from PC12 and C2C12 cells using SEK1/MKK4 antibody

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SEK1/MKK4 antibody (left) or the same antibody preincubated with with blocking peptide (right

ADDITIONAL INFORMATION

Related Product Information for anti-SEK1 antibody	Rabbit polyclonal SEK1 antibody

Product Categories/Family for anti-SEK1 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	1754531
NCBI GeneID	26398
Molecular Weight	44,114 Da
NCBI Official Full Name	SEK1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 4
NCBI Official Symbol	Map2k4
NCBI Official Synonym Symbols	MEK4; MKK4; Sek1; JNKK1; Serk1; PRKMK4
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 4
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 4
UniProt Gene Name	**Map2k4**
UniProt Synonym Gene Names	Jnkk1; Mek4; Mkk4; Prkmk4; Sek1; Serk1; Skk1; MAP kinase kinase 4; MAPKK 4; JNK kinase 1; JNKK 1; MEK 4; SEK1
UniProt Entry Name	MP2K4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/sek1-antibody-western-blot-immunohistochemistry-elisa/224345