MAP2K4 Antibody

Catalog No: #21441

Package Size: #21441-1 50ul #21441-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

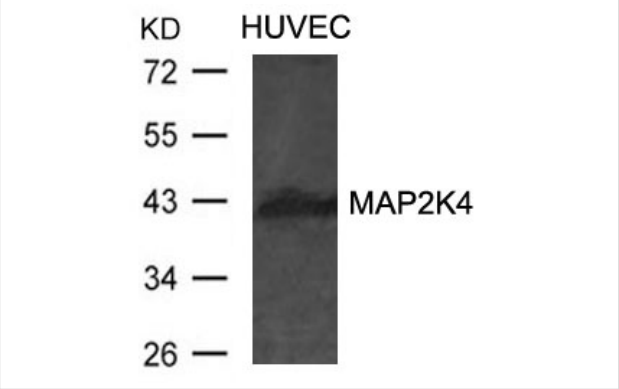
Product Name	MAP2K4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total MAP2K4 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.352~356(E-S-K-R-P)derived from Human MAP2K4.
Target Name	MAP2K4
Other Names	JNKK1; MEK4; MKK4; PRKMK4; SERK1
Accession No.	Swiss-Prot: P45985NCBI Protein: NP_003001.1
Uniprot	P45985
GeneID	6416;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 44kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HUVEC cells using MAP2K4 Antibody #21441.

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 inflamatory cytokines (1-3). 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 (4). Phosphorylation by Akt at Ser80 inhibits SEK1 and suppresses stress-activated signal transduction (5).

Davis, R.J. (1994) Trends Biochem. Sci. 19, 470-473.
Sanchez, I. et al. (1994) Nature 372, 794-798.
Yan, M. et al. (1994) Nature 372, 798-800.
Kyriakis, J.M. et al. (1994) Nature 369, 156-160.
Park, H. et al. (2002) J. Biol. Chem. 277, 2573-2578.

Note: This product is for in vitro research use only