Datasheet for ABIN7138706

anti-MAP2K4 antibody (pSer80)

3 Images

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Overview

Quantity:	100 µL
Target:	MAP2K4
Binding Specificity:	pSer80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 80 (T-H-S(p)-I-E) derived from Human SEK1/MKK4.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	MAP2K4
Alternative Name:	MAP2K4 (MAP2K4 Products)

Target Details

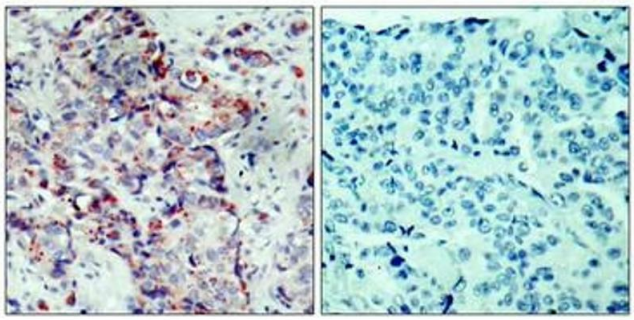
Background:	Background: Dual specificity kinase that activates the JUN kinases MAPK8 (JNK1) and MAPK9 (JNK2) as well as MAPK14 (p38) but not MAPK1 (ERK2) or MAPK3 (ERK1). Park HS, et al. (2002) J Biol Chem, 277(4): 2573-8. Aliases: c Jun N terminal kinase kinase 1 antibody, C-JUN N-terminal kinase kinase 1 antibody, Dual specificity mitogen activated protein kinase kinase 4 antibody, Dual specificity mitogen-activated protein kinase kinase 4 antibody, JNK Activated Kinase 1 antibody, JNK activating kinase 1 antibody, JNK-activating kinase 1 antibody, JNKK antibody, JNKK1 antibody, MAP kinase kinase 4 antibody, Map2k4 antibody, MAPK ERK kinase 4 antibody, MAPK/ERK kinase 4 antibody, MAPKK 4 antibody, MAPKK4 antibody, MEK 4 antibody, MEK4 antibody, Mitogen activated protein kinase kinase 4 antibody, MKK 4 antibody, MKK4 antibody, MP2K4_HUMAN antibody, PRKMK4 antibody, SAPK ERK kinase 1 antibody, SAPK/ERK kinase 1 antibody, SAPKK 1 antibody, SAPKK1 antibody, SEK1 antibody, SERK1 antibody, SKK1 antibody, Stress activated protein kinase kinase 1 antibody
UniProt:	P45985
Pathways:	MAPK Signaling, TLR Signaling, Fc-epsilon Receptor Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades, BCR Signaling

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only

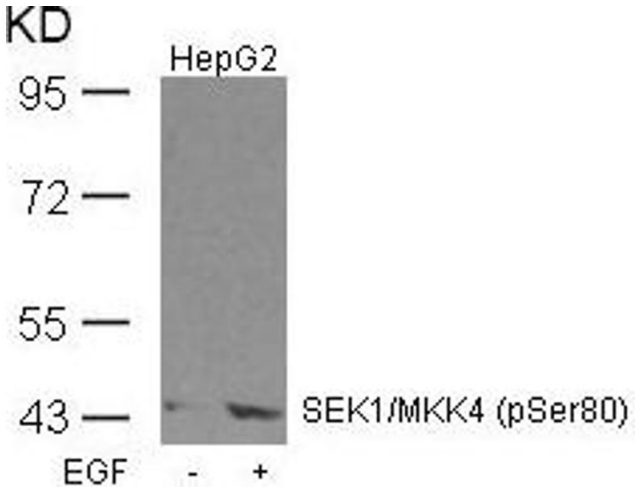
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



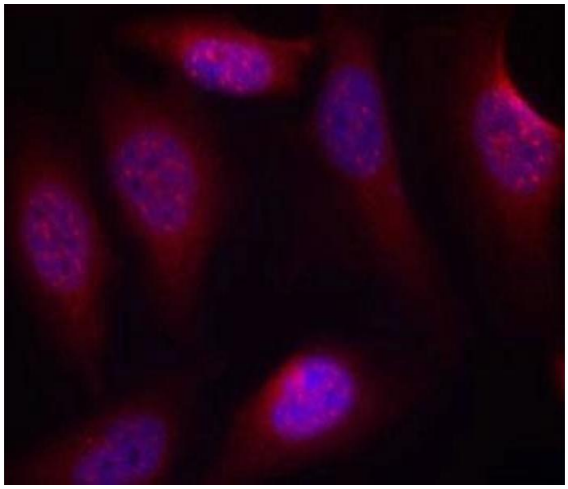
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SEK1/MKK4(Phospho-Ser80) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells untreated or treated with EGF using SEK1/MKK4(Phospho-Ser80) Antibody.



Immunofluorescence

Image 3. Immunofluorescence staining of methanol-fixed Hela cells using SEK1/MKK4(Phospho-Ser80) Antibody.