

Datasheet for ABIN197322

anti-MAP2K4 antibody (Thr261)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mL
Target:	MAP2K4
Binding Specificity:	Thr261
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human SEK1/MKK4 around the phosphorylation site of threonine 261 (A-K-Tp-R-D).
Specificity:	This antibody detects endogenous levels of total SEK1/MKK4 protein.
Purification:	Immunoaffinity Chromatography using epitope-specific immunogen.

Target Details

Target:	MAP2K4
Alternative Name:	MAP2K4 (MAP2K4 Products)
Background:	MEK4 is a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8 / JNK1, MAPK9 / JNK2, and MAPK14 /

Target Details

p38, but not MAPK1 / ERK2 or MAPK3 / ERK3. This kinase is phosphorylated, and thus activated by MAP3K1 / MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver. Synonyms: Dual specificity mitogen-activated protein kinase kinase 4, JNK-activating kinase 1, MAP Kinase Kinase 4, MAPKK4, MEK-4, MKK4, PRKMK4, SAPK/ERK kinase 1, SERK1, c-Jun N-terminal kinase kinase 1

Gene ID: 6416

NCBI Accession: [NP_003001](#)

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: Immunofluorescence: 1/100-1/200. Immunohistochemistry on Paraffin-Embedded Sections: 1/50-1/100.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % Sodium Azide and 50 % Glycerol.

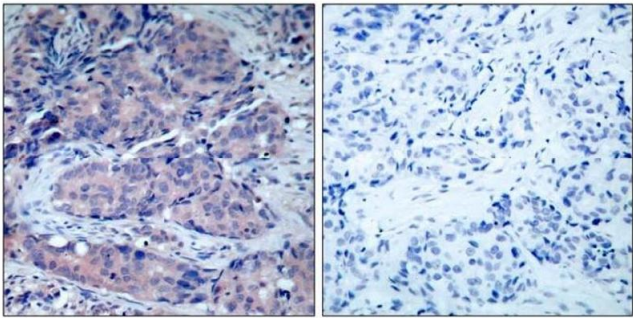
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Peptide

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Image 1.

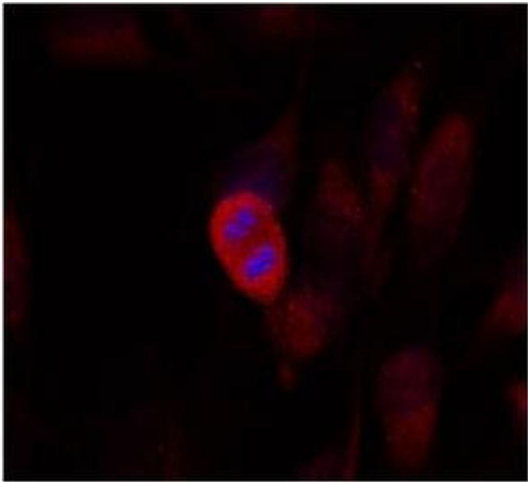


Image 2.