

Datasheet for ABIN197106
anti-MEK2 antibody (Thr394)



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2 Images

Overview

Quantity:	0.1 mL
Target:	MEK2 (MAP2K2)
Binding Specificity:	Thr394
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human MEK2 around the phosphorylation site of threonine 394 (P-G-TP-P-T).
Specificity:	MEK2 antibody detects endogenous levels of total MEK2 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	MEK2 (MAP2K2)
Alternative Name:	MAPKK 2 (MAP2K2 Products)
Background:	Microtubule associated protein kinase kinase 2 (MEK2 or MAPKK2) is a member of a family of tyrosine/threonine protein kinases that activate the ERK 1 & 2/MAPK enzymes by

Target Details

phosphorylating both residues within the threonine/glutamic acid/tyrosine (TEY) motif in the activation loop. MEK 1 & 2 are also activated by dual phosphorylation, which occurs on serines 218 and 222, in the activation loop of the MEKs. Threonine 394 of MEK2 is phosphorylated by ERK 2, which serves as a negative feedback loop by suppressing activation of MEK2. Synonyms: Dual specificity mitogen-activated protein kinase kinase 2, ERK activator kinase 2, MAP kinase kinase 2, MAPK/ERK kinase 2, MEK2, MKK2

Gene ID: 5605

NCBI Accession: [NP_109587](#)

UniProt: [P36507](#)

Pathways: [MAPK Signaling](#), [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Application Notes: Western Blot: 1: 500approx. 1: 1000. Immunohistochemistry: 1: 50approx. 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 containing 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

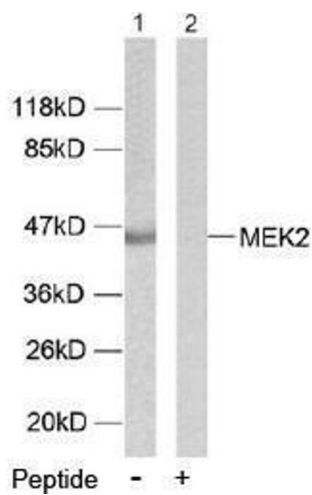


Image 1.

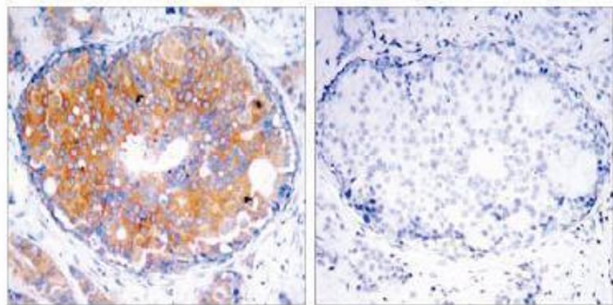


Image 2.