Datasheet for ABIN801918

anti-MEK2 antibody (pThr394)

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Overview

Quantity:	100 µL
Target:	MEK2 (MAP2K2)
Binding Specificity:	pThr394
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MEK2 around the phosphorylation site of Thr394
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	MEK2 (MAP2K2)

Target Details

Alternative Name:	MEK2 (MAP2K2 Products)
Background:	Synonyms: MEK2Thr394, Cardiofaciocutaneous syndrome, CFC syndrome, Dual specicity mitogen activated protein kinase kinase 2, Dual specicity mitogen-activated protein kinase kinase 2, ERK activator kinase 2, FLJ26075, MAP kinase kinase 2, MAP2K 2, map2k2, MAPK / ERK kinase 2, MAPK/ERK kinase 2, MAPKK 2, MAPKK2, MEK 2, MEK2, Microtubule Associated Protein Kinase Kinase 2, Mitogen activated protein kinase kinase 2, Mitogen activated protein kinase kinase 2 p45, MKK 2, MKK2, MP2K2_HUMAN, OTTHUMP00000165826, OTTHUMP00000165827, PRKMK 2, PRKMK2 V. Background: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. [provided by RefSeq, Jul 2008].
Gene ID:	5605
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:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months