Datasheet for ABIN5959686

anti-MEK2 antibody (Thr394)

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Overview

Quantity:	200 µL
Target:	MEK2 (MAP2K2)
Binding Specificity:	Thr394
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthesized peptide derived from human MEK-2 around the non-phosphorylation site of T394.
Clone:	0
Isotype:	IgG
Specificity:	Cardiofaciocutaneous syndrome,CFC syndrome,CFC4,Dual specificity mitogen activated protein kinase kinase 2,Dual specificity mitogen-activated protein kinase kinase 2,ERK activator kinase 2,FLJ26075,MAP kinase kinase 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,OTTHUMP00000165826,OTTHUMP00000165827,PRKMK 2,PRKMK2
Purification:	Protein A purification

Target Details

Target:	MEK2 (MAP2K2)
Alternative Name:	MAP2K2 (MAP2K2 Products)
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.
Gene ID:	5605
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:	WB 1:500-1:2000, IHC 1:100-1:300, IP 1:200-1:500, ELISA 1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.