

Datasheet for ABIN7464125 **anti-MEK2 antibody**



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Overview

Quantity:	100 µL
Target:	MEK2 (MAP2K2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MEK2. The exact sequence is proprietary.
Clone:	GT3522
Isotype:	IgG2a
Cross-Reactivity:	Human
Purification:	Affinity purified by Protein G.
Grade:	KO Validated

Target Details

Target:	MEK2 (MAP2K2)
Alternative Name:	mitogen-activated protein kinase kinase 2 (MAP2K2 Products)

Target Details

Background:	Mitogen-activated protein kinase kinase 2 , CFC4 , MAPKK2 , MEK2 , MKK2 , PRKMK2,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]
Molecular Weight:	44 kDa
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: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 , 293T Validation: KO/KD
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, No Preservative
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

Handling

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.