



Datasheet for ABIN2855313  
**anti-MEK2 antibody**



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3 Images

Overview

Quantity:	100 µL
Target:	MEK2 (MAP2K2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MEK2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to MEK2 (mitogen-activated protein kinase kinase 2) MEK2 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	MEK2 (MAP2K2)
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## Target Details

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Alternative Name:	mitogen-activated protein kinase kinase 2 ( <a href="#">MAP2K2 Products</a> )
Background:	<p>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 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.</p>
Molecular Weight:	44 kDa
Gene ID:	5605
UniProt:	<a href="#">P36507</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">BCR Signaling</a>

## Application Details

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Application Notes:	WB: 1:5000-1:25000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431 , DDDDK-tagged MEK2-transfected 293T Validation: KO/KD, Overexpression
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.97 mg/mL
Buffer:	1XPBS ( pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)

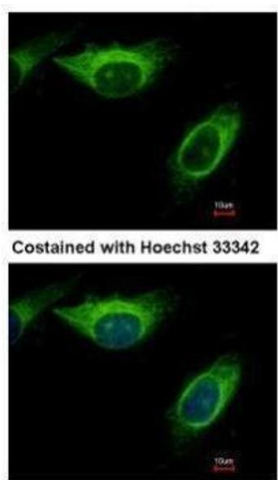
## Handling

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

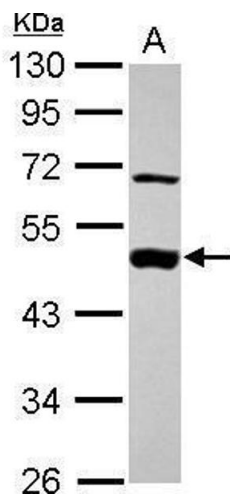
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



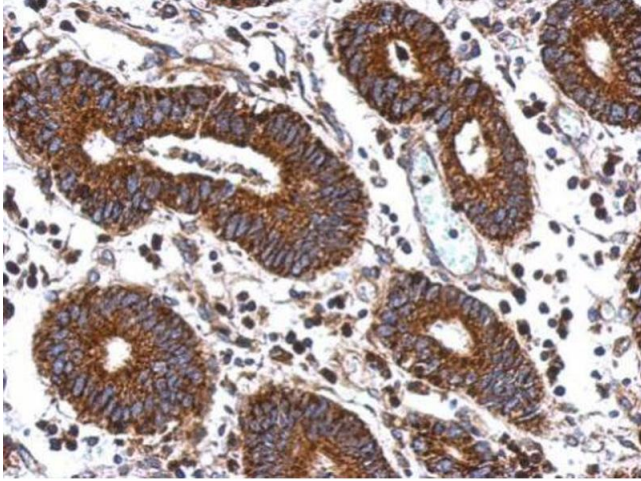
### Immunofluorescence

**Image 1.** ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using MEK2, antibody at 1:500 dilution.



### Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: A431, 10% SDS PAGE antibody diluted at 1:1000



### Immunohistochemistry

**Image 3.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using MEK2, antibody at 1:500 dilution.