

Datasheet for ABIN967846
anti-MEK2 antibody (AA 1-110)[Go to Product page](#)

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Overview

Quantity:	150 µg
Target:	MEK2 (MAP2K2)
Binding Specificity:	AA 1-110
Reactivity:	Human, Mouse, Rat, Dog, Chicken, Frog
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Rat MEK2 aa. 1-110
Clone:	96-MEK2
Isotype:	IgG2a
Cross-Reactivity:	Mouse (Murine), Chicken, Dog (Canine), Frog, Human
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	MEK2 (MAP2K2)
Alternative Name:	MEK2 (MAP2K2 Products)
Background:	<p>MEK2 (MAP Kinase Kinase 2 or ERK Kinase), a 46 kDa protein kinase, phosphorylates MAP kinases (ERKs) at tyrosine and threonine residues. This phosphorylation results in activation of the MAP kinases. MEK2 is seven amino acids larger and shares 81% identity with MEK1. In cultured cells, MEK2 is activated by serum. In vitro, v-Raf phosphorylates and activates MEK2. It is thought that all of these activated protein kinases are downstream of the Ras signal transduction pathway and represent an integral part of the Ras mitogenic signal. This antibody is routinely tested by western blot analysis.</p> <p>Synonyms: MAP Kinase Kinase 2, ERK Kinase</p>
Molecular Weight:	46 kDa
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

Comment:	Related Products: ABIN967389
Restrictions:	For Research Use only

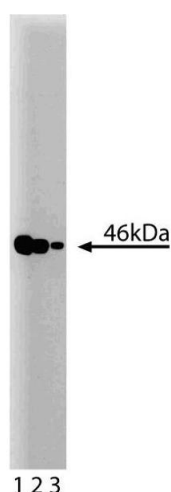
Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
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 undiluted at -20° C.

Publications

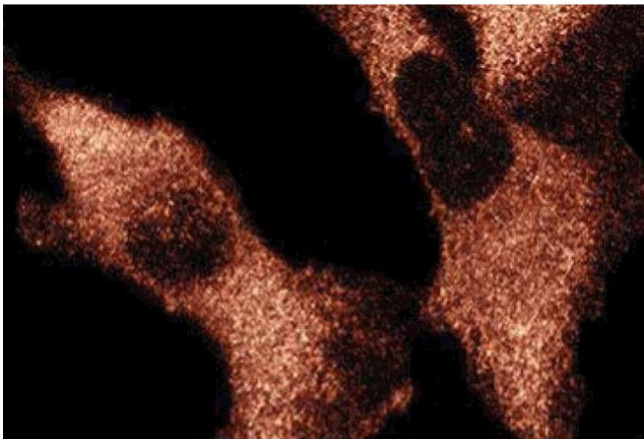
- Product cited in: Tworkowski, Salghetti, Tansey: "Stable and unstable pools of Myc protein exist in human cells." in: **Oncogene**, Vol. 21, Issue 55, pp. 8515-20, (2002) ([PubMed](#)).
- Downey, Butler, Tapper, Fialkow, Saltiel, Rubin, Grinstein: "Importance of MEK in neutrophil microbicidal responsiveness." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 160, Issue 1, pp. 434-43, (1998) ([PubMed](#)).
- Wu, Harrison, Dent, Lynch, Weber, Sturgill: "Identification and characterization of a new mammalian mitogen-activated protein kinase kinase, MKK2." in: **Molecular and cellular biology**, Vol. 13, Issue 8, pp. 4539-48, (1993) ([PubMed](#)).
- Crews, Alessandrini, Erikson: "The primary structure of MEK, a protein kinase that phosphorylates the ERK gene product." in: **Science (New York, N.Y.)**, Vol. 258, Issue 5081, pp. 478-80, (1992) ([PubMed](#)).
- Hattori, Fukuda, Yamashita, Nakamura, Gotoh, Nishida: "Activation of mitogen-activated protein kinase and its activator by ras in intact cells and in a cell-free system." in: **The Journal of biological chemistry**, Vol. 267, Issue 28, pp. 20346-51, (1992) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of MEK2 on a RSV-3T3 cell lysate. Lane 1: 1:2500, lane 2: 1:5000, lane 3: 1:10000 dilution of the anti- MEK2 antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of human fibroblasts.

Image 3.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN967846.