

Datasheet for ABIN3043874
anti-MAP2K3 antibody (C-Term)[Go to Product page](#)

4 Images

2 Publications

Overview

Quantity:	100 µg
Target:	MAP2K3
Binding Specificity:	AA 311-347, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 3(MAP kinase kinase 3/MAPKK 3)(MAP2K3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MEK3 (311-347aa AERMSYLELMEHPFFTLHKTKKTDIAAFVKEILGEDS), identical to the related mouse sequence.
Sequence:	AERMSYLELM EHPFFTLHKT KKT DIAAFVK EILGEDS
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 3(MAP kinase kinase 3/MAPKK 3)(MAP2K3) detection. Tested with WB, IHC-P in Human,Mouse,Rat.

Product Details

Gene Name: mitogen-activated protein kinase kinase 3

Protein Name: Dual specificity mitogen-activated protein kinase kinase 3(MAP kinase kinase 3/MAPKK 3)

Purification: Immunogen affinity purified.

Target Details

Target: MAP2K3

Alternative Name: MAP2K3 ([MAP2K3 Products](#))

Background: Dual specificity mitogen-activated protein kinase kinase 3 is an enzyme that in humans is encoded by the MAP2K3 gene. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. And this kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. Rampoldi et al. (1997) localized the MAP2K3 gene to 17q11.2.

Synonyms: AW212142 antibody|Dual specificity mitogen activated protein kinase kinase 3 antibody|Dual specificity mitogen-activated protein kinase kinase 3 antibody|ERK kinase 3 antibody|MAP kinase kinase 3 antibody|MAP2K 3 antibody|map2k3 antibody|MAPK ERK kinase 3 antibody|MAPK kinase 3 antibody|MAPK/ERK kinase 3 antibody|MAPKK 3 antibody|MAPKK3 antibody|MEK 3 antibody|MEK3 antibody|Mitogen activated protein kinase kinase 3 antibody|MKK 3 antibody|MKK3 antibody| mMKK 3b antibody| mMKK3b antibody|MP2K3_HUMAN antibody|MPK 3 antibody|PRKMK 3 antibody|PRKMK3 antibody|Protein kinase mitogen activated kinase 3 antibody|protein kinase, mitogen-activated, kinase 3 antibody|SAPK kinase 2 antibody|SAPKK 2 antibody|SAPKK2 antibody|SKK2 antibody|Stress activated protein kinase kinase 2 antibody| zMKK 3 antibody

Gene ID: 5606

UniProt: [P46734](#)

Pathways: [MAPK Signaling](#), [TLR Signaling](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#), [Autophagy](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

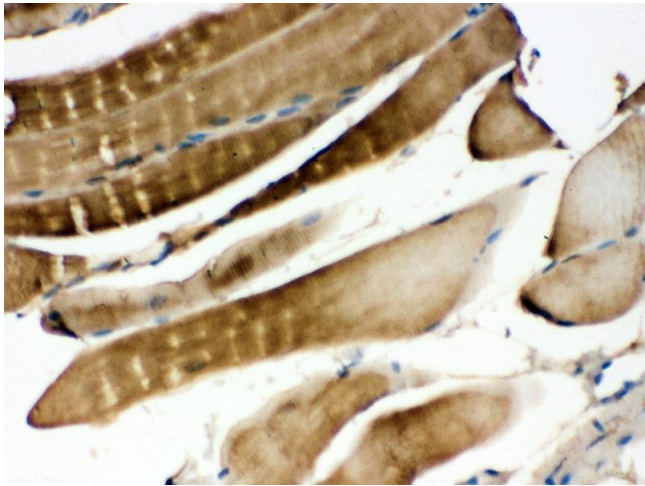
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

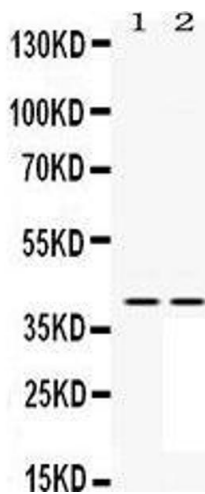
Publications

Product cited in:	Li, Zhao, Qi, Wang, Zhang, Li, Qin: "lncRNA Ftx promotes aerobic glycolysis and tumor progression through the PPAR γ pathway in hepatocellular carcinoma." in: International journal of oncology , Vol. 53, Issue 2, pp. 551-566, (2018) (PubMed).
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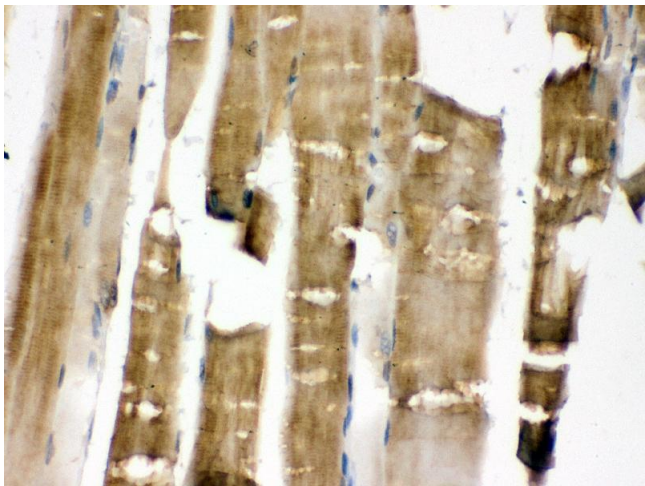
Immunohistochemistry

Image 1. Anti- MEK3 Picoband antibody, IHC(P) IHC(P):
Mouse Skeletal Muscle Tissue



Western Blotting

Image 2.



Immunohistochemistry

Image 3. Anti- MEK3 Picoband antibody, IHC(P) IHC(P): Rat
Skeletal Muscle Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043874.