

Datasheet for ABIN3043875
anti-MAP2K7 antibody (N-Term)

4 Images

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Overview

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| Quantity: | 100 µg |
| Target: | MAP2K7 |
| Binding Specificity: | AA 2-40, N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-----------------------------|---|
| Purpose: | Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 7(MAP2K7) detection. Tested with WB, IHC-P in Human,Mouse,Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the N-terminus of human MEK7 (2-40aa AASSLEQKLSRLEAKLKQENREARRRIDLNLDISPQRPR), identical to the related mouse and rat sequences. |
| Sequence: | AASSLEQKLS RLEAKLKQEN REARRRIDLN LDISPQRPR |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | <p>Rabbit IgG polyclonal antibody for Dual specificity mitogen-activated protein kinase kinase 7(MAP2K7) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: mitogen-activated protein kinase kinase 7</p> <p>Protein Name: Dual specificity mitogen-activated protein kinase kinase 7</p> |

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: MAP2K7

Alternative Name: MAP2K7 ([MAP2K7 Products](#))

Background: MAP2K7(Mitogen-activated protein kinase kinase 7), also known as MAP kinase kinase 7, MAPKK7, JNKK2, PRKMK7 or MKK7, is an enzyme that in humans is encoded by the MAP2K7 gene. This protein is a member of the mitogen-activated protein kinase kinase family. The MKK7 protein exists as six different isoforms with three possible N-termini (α , β , and γ isoforms) and two possible C-termini (1 and 2 isoforms). Schramek et al. (2011) showed that the doxorubicin-mediated DNA damage response in human A549 lung carcinoma cells caused rapid phosphorylation and upregulation of p53 (TP53). MKK7 knockdown reduced p53 phosphorylation, delayed p53 upregulation, and interfered with cell cycle arrest at G2/M. MKK7 was activated in primary lung tumors, and tumors with a p53 mutation showed even higher MKK7 phosphorylation. Schramek et al. (2011) concluded that MKK7 exerts its tumor suppressive function through p53.

Synonyms: c Jun N terminal kinase kinase 2 antibody|c-Jun N-terminal kinase kinase 2 antibody|Dual specificity mitogen activated protein kinase kinase 7 antibody|Dual specificity mitogen-activated protein kinase kinase 7 antibody|JNK activating kinase 2 antibody|JNK kinase 2 antibody|JNK-activating kinase 2 antibody|JNKK 2 antibody|Jnkk-2 antibody|Jnkk2 antibody| MAP kinase kinase 7 antibody|MAP2K 7 antibody|MAP2K7 antibody|MAPK/ERK kinase 7 antibody|MAPKK 7 antibody|MAPKK-7 antibody|MAPKK7 antibody|MEK 7 antibody|Mitogen activated protein kinase kinase 7 antibody|MKK 7 antibody|MKK-7 antibody|MKK7 antibody|MP2K7_HUMAN antibody|PRKMK 7 antibody|PRKMK-7 antibody|PRKMK7 antibody|Protein kinase mitogen activated kinase 7 antibody|Sek 2 antibody|Sek-2 antibody|Sek2 antibody|SKK4 antibody

Gene ID: 5609

UniProt: [O14733](#)

Pathways: [MAPK Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#)

Application Details

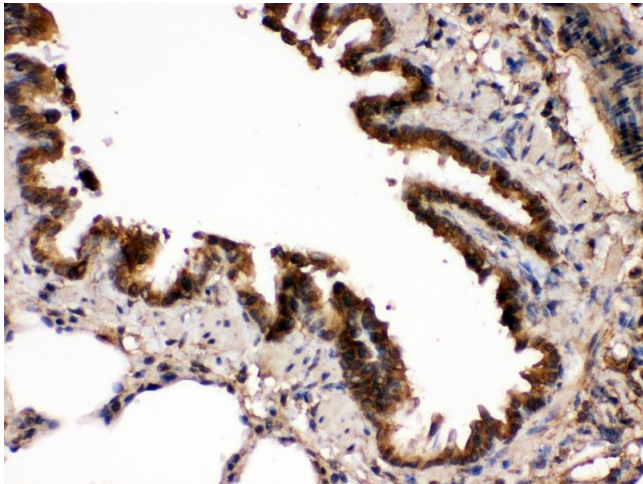
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| Application Notes: | WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 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. |
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| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |
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| Restrictions: | For Research Use only |
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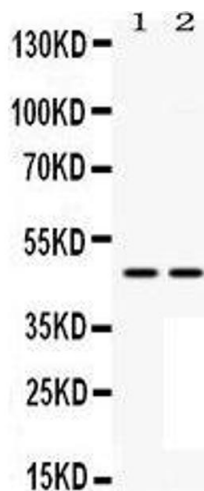
Handling

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| 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. |



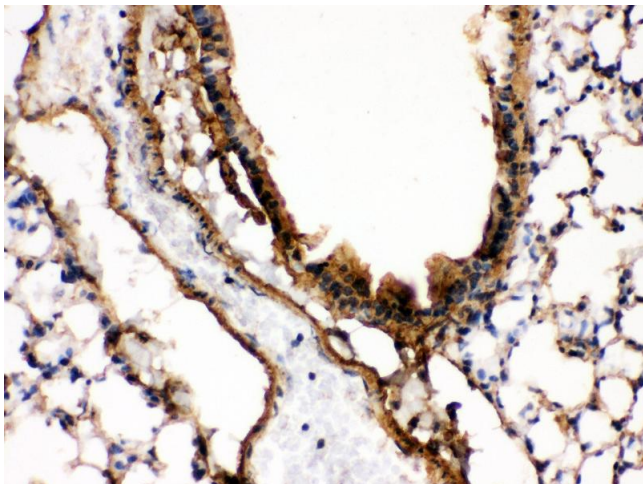
Immunohistochemistry

Image 1. IHC(P): Rat Lung Tissue



Western Blotting

Image 2.



Immunohistochemistry

Image 3. IHC(P): Mouse Lung Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043875.