

Phospho-MKK3-S189+MKK6-S207 Rabbit mAb

Catalog No.: AP1449

Recombinant

1 Publications

Basic Information

Observed MW

38kDa/40kDa

Calculated MW

36kDa/39kDa/31kDa/37kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC62482

Background

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. 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. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq, Jul 2008]

Recommended Dilutions

WB	1:500 - 1:1000
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IHC-P	1:50 - 1:200
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ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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Immunogen Information

Gene ID

5606/5608

Swiss Prot

P46734/P52564

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

MAP2K3/MAP2K6; Phospho-MKK3-S189+MKK6-S207

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

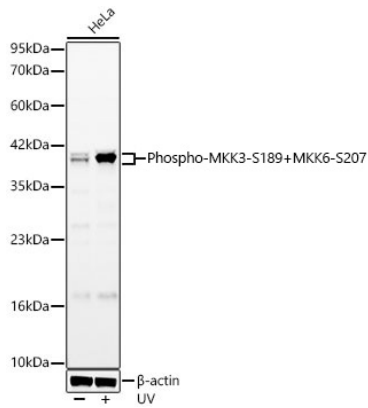
Affinity purification

Storage

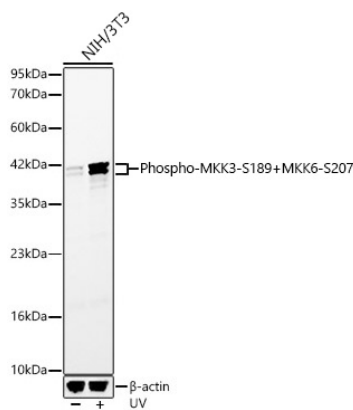
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

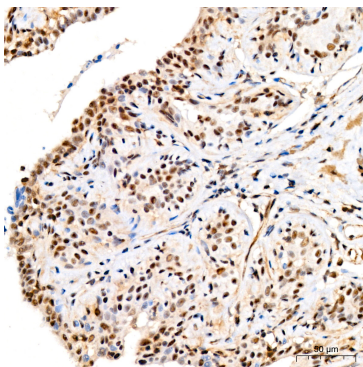
Validation Data



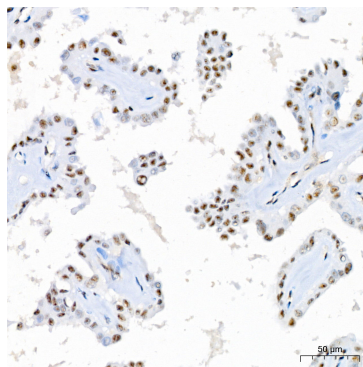
Western blot analysis of lysates from HeLa cells, using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at 1:1000 dilution. HeLa cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



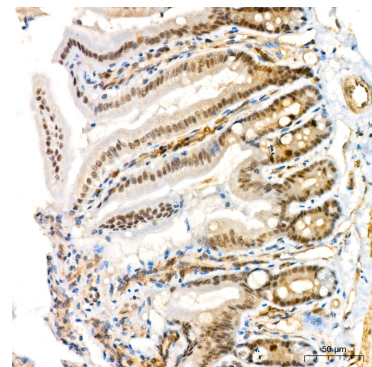
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at 1:1000 dilution. NIH/3T3 cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human breast using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

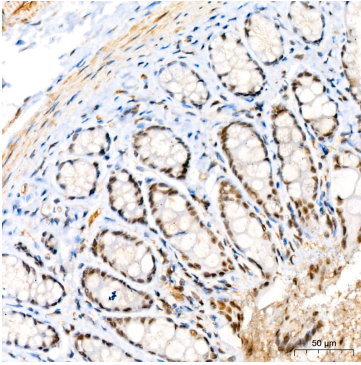


Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

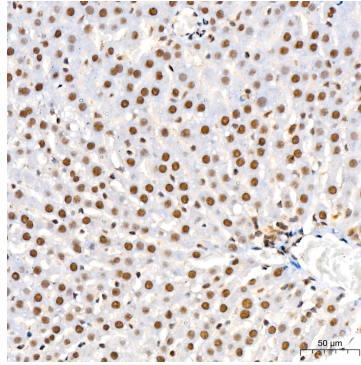


Immunohistochemistry analysis of paraffin-embedded Mouse colon using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat colon using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.