AP1449

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Phospho-MKK3-S189+MKK6-S207 Rabbit mAb

Catalog No.: AP1449 Recombinant

Basic Information

Observed MW
38kDa/40kDa

Calculated MW
36kDa/39kDa/31kDa/37kDa

Category
SMab Recombinant Monoclonal 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 Yersina 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
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID
5606/5608

Swiss Prot
P46734/P52564

Immunogen
A synthetic phosphorylated peptide around S207 of human MKK3/MKK6(P46734/P52564).

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

Contact

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Product Information

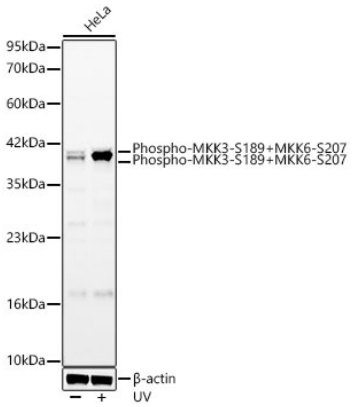
Source
Rabbit

Isotype
IgG

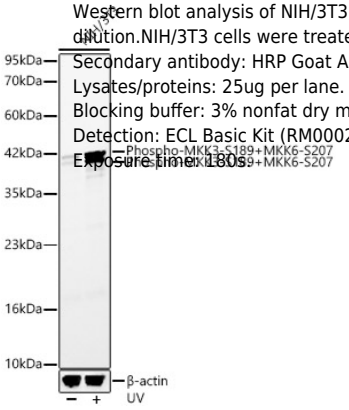
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

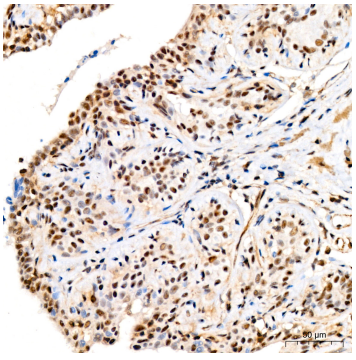
Validation Data



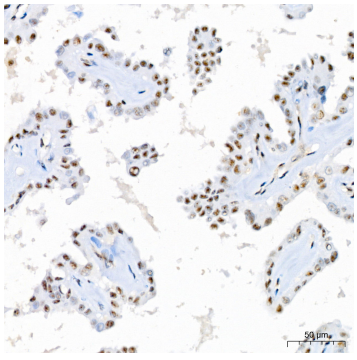
Western blot analysis of HeLa, using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at 1:1000 dilution.HeLa cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: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



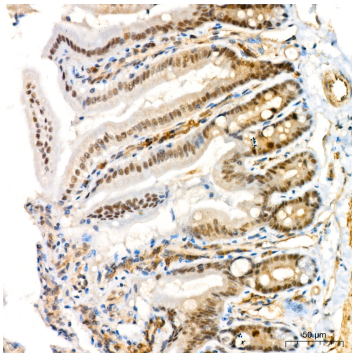
Western blot analysis of NIH/3T3, using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at 1:1000 dilution.NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking 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).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

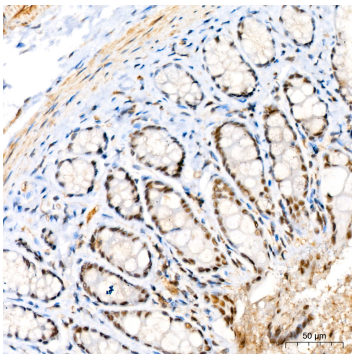


Immunohistochemistry analysis of paraffin-embedded human thyroid cancer using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

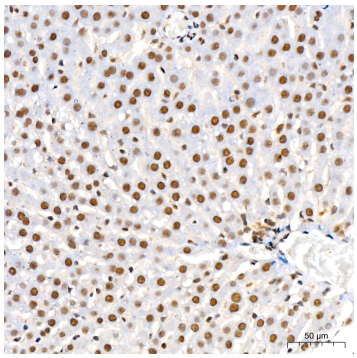


Immunohistochemistry analysis of paraffin-embedded mouse colon using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

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).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat liver using Phospho-MKK3-S189+MKK6-S207 Rabbit mAb (AP1449) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.