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Phospho-p90Rsk-T359/S363 Rabbit mAb

Catalog No.: AP1583 Recombinant

Basic Information

Observed MW
90kDa

Calculated MW
83kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC74043

Background

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Recommended Dilutions

WB	1:1000 - 1:2000
IP	0.5μg-4μg antibody for 500μg-700μg extracts of whole cells
IF/ICC	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6195

Swiss Prot
Q15418

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

Synonyms
RSK; HU-1; RSK1; p90Rsk; MAPKAPK1; MAPKAPK1A

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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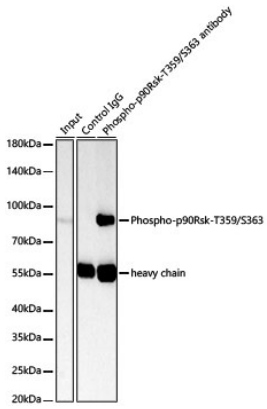
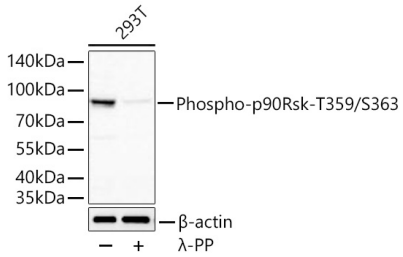
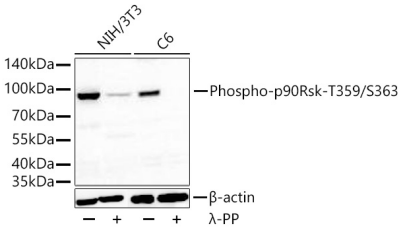
Validation Data



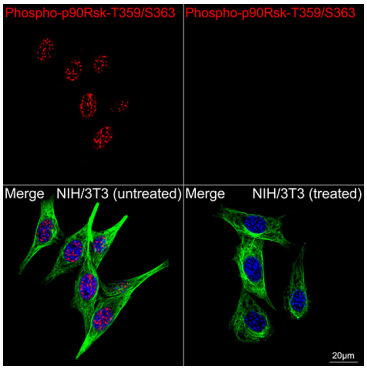
Immunoprecipitation of Phospho-p90Rsk-T359/S363 from 600 µg extracts of NIH/3T3 was performed using 2 µg of Phospho-p90Rsk-T359/S363 Rabbit mAb (AP1583). Rabbit IgG isotype control (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-p90Rsk-T359/S363 Rabbit mAb (AP1583) at a dilution of 1:10000.



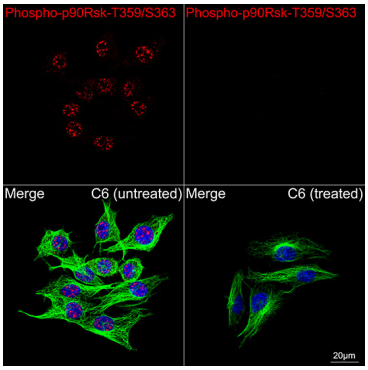
Western blot analysis of lysates from 293T cells using Phospho-p90Rsk-T359/S363 Rabbit mAb (AP1583) at 1:1000 dilution incubated overnight at 4℃. 293T cells were treated by λ-PP mixed solution (1 µL) at 30℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



Western blot analysis of various lysates using Phospho-p90Rsk-T359/S363 Rabbit mAb (AP1583) at 1:1000 dilution incubated overnight at 4℃. NIH/3T3 cells and C6 cells were treated by λ-PP mixed solution (1 µL) at 30℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Confocal imaging of NIH/3T3 cells (untreated) and NIH/3T3 cells (treated with λpp) using Phospho-p90Rsk-T359/S363 Rabbit mAb (AP1583, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained



Confocal imaging of C6 cells (untreated) and C6 cells (treated with λpp) using Phospho-p90Rsk-T359/S363 Rabbit mAb (AP1583, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin

Validation Data

with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.