

Phospho-SRC Family-Y416 Rabbit mAb

Catalog No.: AP1650 **Recombinant**

Basic Information

Observed MW

60 kDa

Calculated MW

40-62 kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3889

Background

This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene.

Recommended Dilutions

WB 1:2000 - 1:5000

IP 0.5 µg - 4 µg antibody for
400 µg - 600 µg extracts of
whole cells

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Contact

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Immunogen Information

Gene ID

7525/4067/3932/3055/6714/2534

Swiss Prot

P06241/P08631/P06239/P07948/P12931/P07947

Immunogen

This information is considered to be commercially sensitive.

Synonyms

ASV; SRC1; THC6; c-SRC; p60-Src; SRC; Phospho-SRC Family-Y416

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

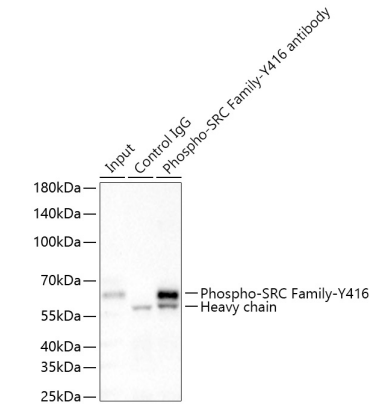
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

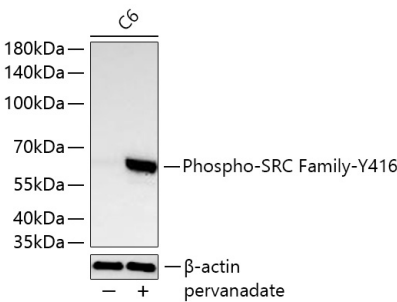


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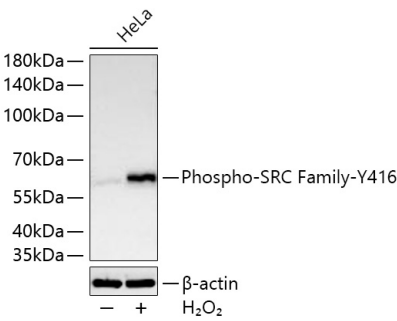
Validation Data



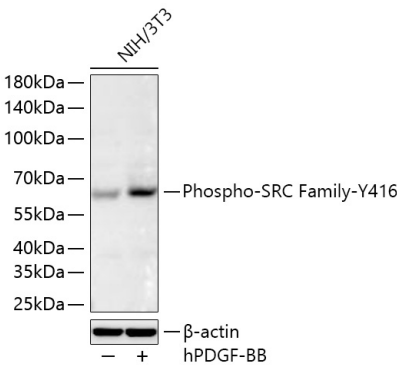
Immunoprecipitation of Phospho-SRC Family-Y416 from 400 µg extracts of C6 cells treated with pervanadate (0.5 mM, 40 minutes) was performed using 1 µg of Phospho-SRC Family-Y416 Rabbit mAb (AP1650). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-SRC Family-Y416 Rabbit mAb (AP1650) at a dilution of 1:5000.



Western blot analysis of lysates from C6 cells using Phospho-SRC Family-Y416 Rabbit mAb (AP1650) at 1:5000 dilution incubated overnight at 4°C. C6 cells were treated with pervanadate (0.5 mM) at 37°C for 40 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: 90 s.



Western blot analysis of lysates from HeLa cells using Phospho-SRC Family-Y416 Rabbit mAb (AP1650) at 1:5000 dilution incubated overnight at 4°C. HeLa cells were treated with H₂O₂ (10 mM) at 37°C for 1 hour.
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: 90 s.



Western blot analysis of lysates from NIH/3T3 cells using Phospho-SRC Family-Y416 Rabbit mAb (AP1650) at 1:5000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with hPDGF-BB (100 ng/mL) for 15 minutes after serum starvation overnight.
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: 90 s.