

Phospho-PRAS40-T246 Rabbit mAb

Catalog No.: AP1648

Recombinant

Basic Information

Observed MW

40 kDa

Calculated MW

13 kDa/27 kDa/29 kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3491

Background

AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein (see YWHAH, MIM 113508) when phosphorylated (Kovacina et al., 2003 [PubMed 12524439]).

Recommended Dilutions

WB 1:2000 - 1:15000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 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

84335

Swiss Prot

Q96B36

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Lobe; PRAS40

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

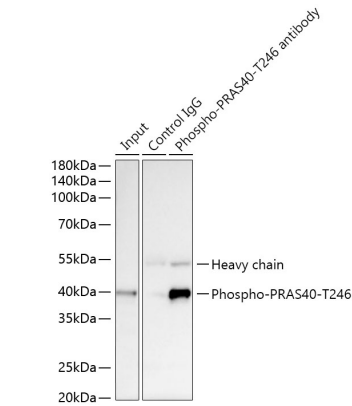
Store at -20°C. Avoid freeze / thaw cycles.

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

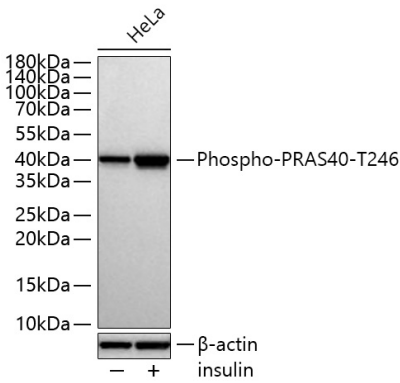


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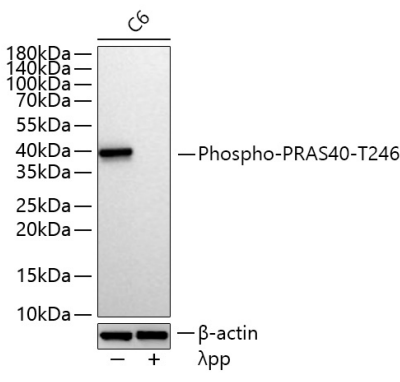
Validation Data



Immunoprecipitation of Phospho-PRAS40-T246 from 300 μ g extracts of MCF7 cells treated with hIGF-I (100 ng/mL, 10 minutes) was performed using 2 μ g of Phospho-PRAS40-T246 Rabbit mAb (AP1648). 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-PRAS40-T246 Rabbit mAb (AP1648) at a dilution of 1:1000.

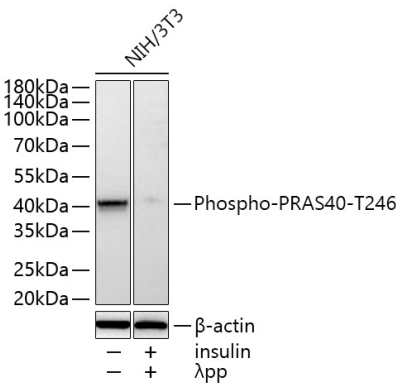


Western blot analysis of lysates from HeLa cells using Phospho-PRAS40-T246 Rabbit mAb (AP1648) at 1:5000 dilution incubated overnight at 4°C. HeLa cells were treated with insulin (150 nM) at 37°C for 15 minutes after serum starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 s.



Western blot analysis of lysates from C6 cells using Phospho-PRAS40-T246 Rabbit mAb (AP1648) at 1:5000 dilution incubated overnight at 4°C. C6 cells were treated with λ pp (2 U/ μ L) at 30°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 s.

Validation Data



Western blot analysis of lysates from NIH/3T3 cells using Phospho-PRAS40-T246 Rabbit mAb (AP1648) at 1:5000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with insulin (150 nM) at 37°C for 15 minutes and λ pp (2 U/ μ L) at 30°C for 1 hour after serum starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 s.