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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 (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

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

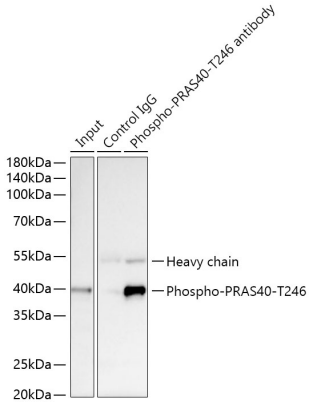
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

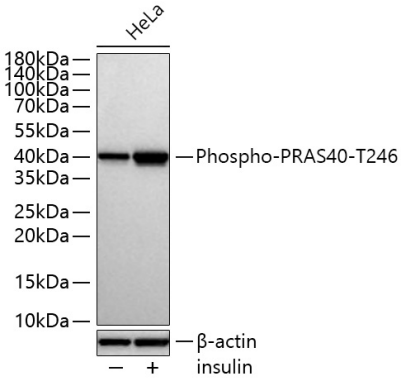
☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

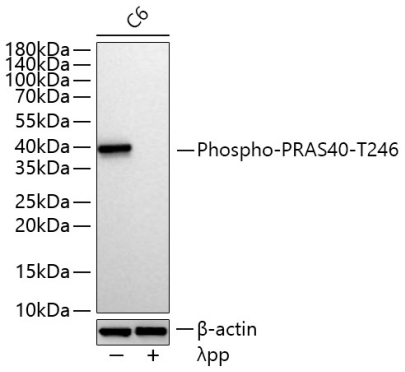
Validation Data



Immunoprecipitation of Phospho-PRAS40-T246 from 300 µg extracts of MCF7 cells treated with hIGF-I (100 ng/mL, 10 minutes) was performed using 2 µg 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.

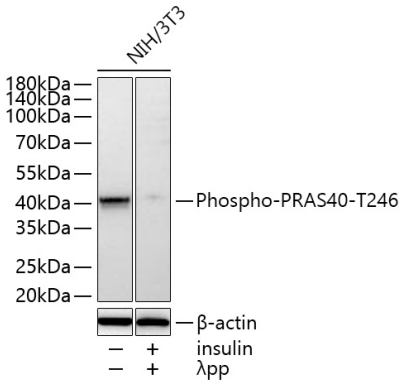


Western blot analysis of lysates from HeLa cells using Phospho-PRAS40-T246 Rabbit mAb (AP1648) at 1:5000 dilution incubated overnight at 4℃. HeLa cells were treated with insulin (150 nM) at 37°C for 15 minutes after serum starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg 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℃. C6 cells were treated with λpp (2 U/µL) at 30℃ 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: 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℃. NIH/3T3 cells were treated with insulin (150 nM) at 37°C for 15 minutes and λpp (2 U/μL) at 30℃ 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 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.