

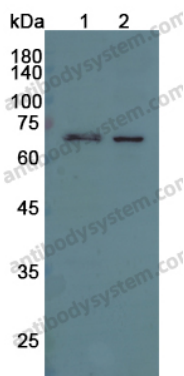
# Anti-PRKAA1/AMPK alpha 1 Polyclonal Antibody

## Summary

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<b>Catalog No.</b>	PHG41601
<b>Host species</b>	Rabbit
<b>Tested applications</b>	ELISA: 1:4000-1:8000, IHC: 1:50-1:100, WB: 1:1000-1:4000
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	E. coli - derived recombinant Human PRKAA1/AMPK alpha 1 (Met10-Gln559).
<b>Form</b>	Liquid
<b>Storage buffer</b>	0.01M PBS, pH 7.4, 50% Glycerol, 0.05% Proclin 300.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	ELISA, IHC, WB
<b>Target</b>	AMPK subunit alpha-1, Acetyl-CoA carboxylase kinase, Tau-protein kinase PRKAA1, ACACA kinase, Hydroxymethylglutaryl-CoA reductase kinase, 5'-AMP-activated protein kinase catalytic subunit alpha-1, AMPK1, PRKAA1, HMGCR kinase
<b>Purification</b>	Purified by antigen affinity column.
<b>Accession</b>	Q13131
<b>Stability and Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
<b>Note</b>	For research use only.

## Data Image



Western blot

Various lysates were subjected to SDS PAGE followed by western blot with PRKAA1 / AMPK alpha 1 antibody (PHG41601) at 0.47ug/ml.

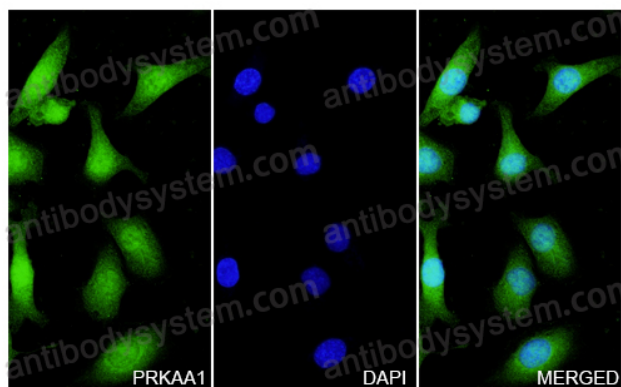
Lane 1: HepG2 cell lysate

Lane 2: 293T cell lysate

Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1 µg/mL.

Predict MW: 64 kDa

Observed MW: 64 kDa



Immunocytochemistry/ Immunofluorescence

PRKAA1 / AMPK alpha 1 in SKOV3 Cell Line.

The SKOV3 cells were fixed with 4% paraformaldehyde (20 min), and then blocked with 5% goat serum for 1h. And the cells were incubated for 2h at 37°C with PRKAA1 / AMPK alpha 1 (PHG41601) at 9.4 µg/ml. The section was then incubated with Goat Anti-Rabbit IgG (Alexa Fluor-488) preabsorbed at 1/100 dilution (Shown in green) for 1 hour at room temperature. Nuclear DNA was labelled with DAPI (shown in blue).



Western Blot

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with PRKAA1/AMPK alpha 1 antibody (PHG41601) at 1  $\mu$ g/ml.

Lane 1: Recombinant Protein

Second Ab: Goat Anti-Rabbit IgG H&L Polyclonal antibody, HRP (PTB96431) at 0.1  $\mu$ g/mL.

Predict MW: 65 kDa

Observed MW: 65 kDa