

# Anti-PRKAA1/AMPK alpha 1 Antibody (R3S10)

## Summary

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<b>Catalog No.</b>	RHG41603
<b>Clone ID</b>	R3S10
<b>Host species</b>	Mouse
<b>Tested applications</b>	ELISA: 1:10000, FCM: 1:200-1:400, IF: 1:200-1:1000, IHC: 1:200-1:1000, WB: 1:500-1:2000
<b>Species reactivity</b>	Human, Mouse, Rat, Monkey
<b>Form</b>	Liquid
<b>Storage buffer</b>	0.01M PBS, pH 7.4, 0.05% Sodium Azide.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	ELISA, FCM, IF, 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>	Protein A/G purified from cell culture supernatant.
<b>Endotoxin level</b>	Please contact with the lab for this information.
<b>Accession</b>	Q13131

**Stability and Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

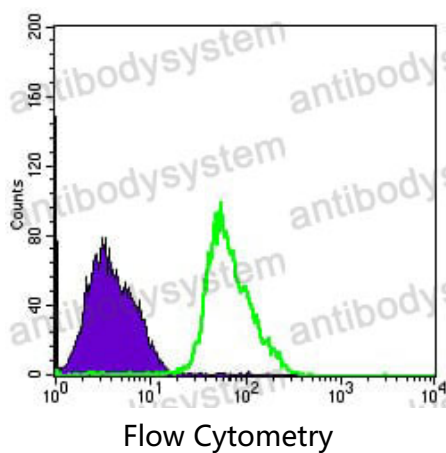
Store at 4°C short term (1-2 weeks). Store at -20°C 12 months. Store at -80°C long term.

**Note**

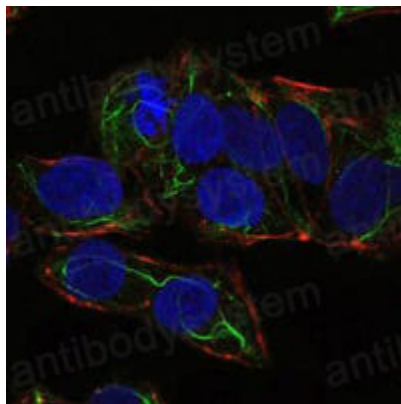
For research use only.

**Data Image**

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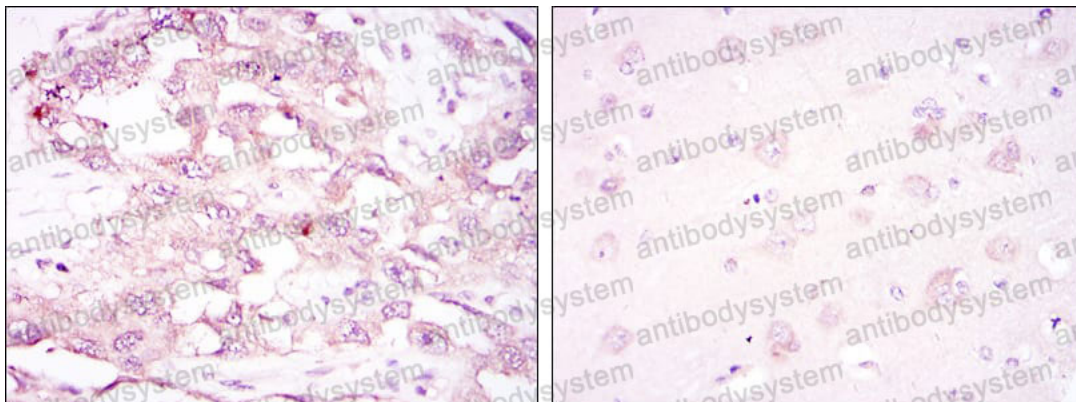


Flow cytometric analysis of PC-2 cells using PRKAA1 mouse mAb (green) and negative control (purple).



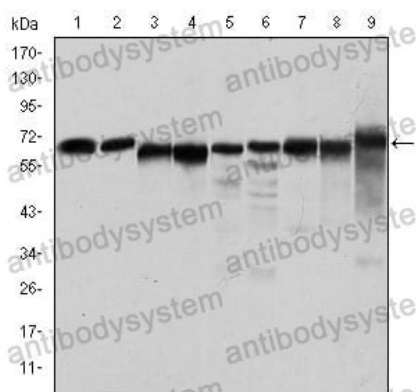
Immunofluorescence

Immunofluorescence analysis of NTERA-2 cells using PRKAA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



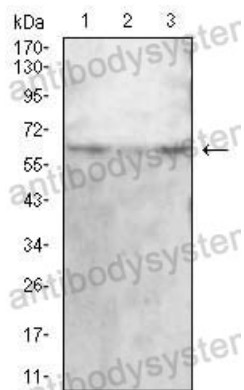
Immunohistochemical analysis of paraffin-embedded human ovarian cancer (left) and brain tissues (right) using PRKAA1 mouse mAb with DAB staining.

Immunohistochemical



Western blot analysis using PRKAA1 mouse mAb against Jurkat (1), Hela (2), HepG2 (3), MCF-7 (4), Cos7 (5), NIH/3T3 (6), K562 (7), HEK293 (8), and PC-12 (9) cell lysate.

Western blot



Western blot analysis using PRKAA1 mouse mAb against COS7(1),C2C12(2),NIH/3T3(3) cell lysate.

Western blot