

Product Name: PRKAA1 Mouse Monoclonal Antibody
Catalog #: AMM86058



Summary

Production Name	PRKAA1 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	PRKAA1
Alternative Names	5'-AMP-activated protein kinase catalytic subunit alpha-1, AMPK subunit alpha-1, Acetyl-CoA carboxylase kinase, ACACA kinase, Hydroxymethylglutaryl-CoA reductase kinase, HMGCR kinase, Tau-protein kinase PRKAA1, PRKAA1, AMPK1
Gene ID	5562.0
SwissProt ID	Q13131. This PRKAA1 Monoclonal antibody was raised using purified His-tagged recombinant human PRKAA1.

Application

Dilution Ratio	WB:1:1000-1:5000,IHC:1:100-1:500
Molecular Weight	64.0kDa

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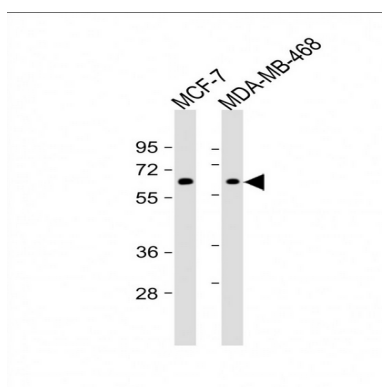
Background

Responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. It also regulates cholesterol synthesis via phosphorylation and inactivation of hormone-sensitive lipase and hydroxymethylglutaryl-CoA reductase. Appears to act as a metabolic stress-sensing protein kinase switching off biosynthetic pathways when cellular ATP levels are depleted and when 5'-AMP rises in response to fuel limitation and/or hypoxia. This is a catalytic subunit.

Research Area

Autophagy, Wnt signaling pathway, PI3K-Akt signaling pathway

Image Data



All lanes : Anti-PRKAA1 Antibody at 1:1000 dilution

Note

For research use only.