

Product Name: Phospho-AMPK alpha 1 (Ser496) Rabbit Monoclonal Antibody**Catalog #: AMRe02837**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, ICC/IF, IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000, ICC/IF 1:50-1:200, IP 1:20-1:50
Molecular Weight	Calculated MW: 64 kDa; Observed MW: 64 kDa

Antigen Information

Gene Name	PRKAA1 PRKAA1; AMPK1; 5'-AMP-activated protein kinase catalytic subunit alpha-1; AMPK subunit
Alternative Names	alpha-1; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase; Tau-protein kinase PRKAA1
Gene ID	5562
SwissProt ID	Q13131
Immunogen	A synthetic Phosphorylated peptide corresponding to residues target protein

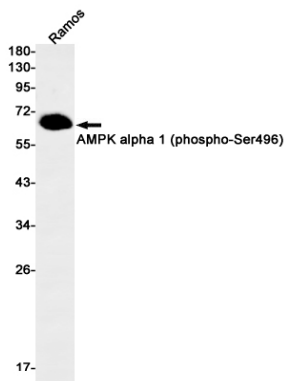
Background

AMPK α 1 a protein kinase of the CAMKL family that plays a central role in regulating cellular and organismal energy balance in response to the balance between AMP/ATP, and intracellular Ca²⁺ levels.

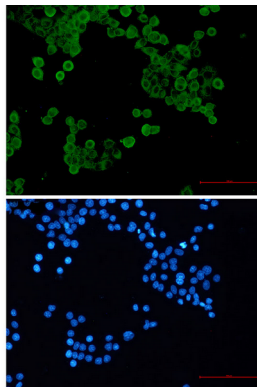
Research Area

Neuroscience

Image Data



Western blot analysis of AMPK alpha 1 (Phospho-Ser496) in Ramos lysates using Phospho-AMPK alpha 1 (Ser496) antibody.



Immunocytochemistry analysis of AMPK alpha 1 (Phospho-Ser496) (green) in HeLa using AMPK alpha 1 (Phospho-Ser496) antibody, and DAPI (blue)