Product Name: Phospho-AMPK alpha 1 (Ser496) Rabbit Monoclonal Antibody
Catalog #: AMRe84888
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC,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	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 64 kDa; Observed MW: 64 kDa

Antigen Information

Gene Name	Phospho-AMPK alpha 1 (Ser496)
Alternative Names	PRKAA1; AMPK1; 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
Gene ID	5562.0
SwissProt ID	Q13131
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser496 of human AMPK alpha 1

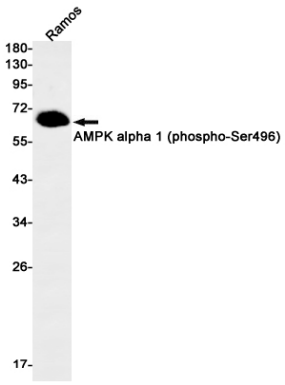
Background

AMPKA1 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 Ca(2+) levels.

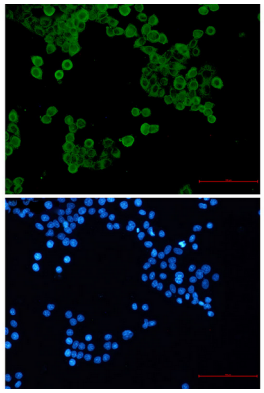
Research Area

Autophagy,Wnt signaling pathway,PI3K-Akt signaling pathway

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)