

PRKAA1/PRKAA2 (Ab-487) Antibody



PACO22914

Product Information

Size:

100ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000,
IHC:1:50-1:200

Protein 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.

Gene ID:

PRKAA1/PRKAA2

Uniprot

Q13131/P54646

Synonyms:

AAPK1; AMPK alpha-1 chain; AMPK-alpha1; HMG-CoA reductase kinase; PRKAA1

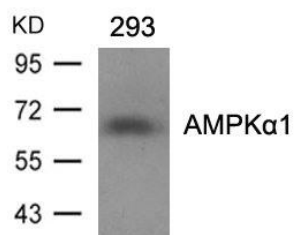
Immunogen:

Peptide sequence around aa.485~489 (S-G-S-V-S) derived from Human AMPKa1.

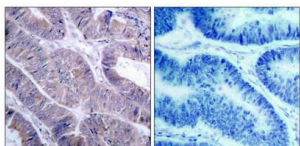
Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



Western blot analysis of extracts from 293 cells using AMPK α 1(Ab-487)Antibody.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using AMPK α 1(Ab-487)Antibody(left) or the same antibody preincubated with blocking peptide(right).