

Rabbit PRKAA1 Polyclonal Antibody | anti-PRKAA1 antibody

PRKAA1 Polyclonal Antibody

CATALOG # AAA168458	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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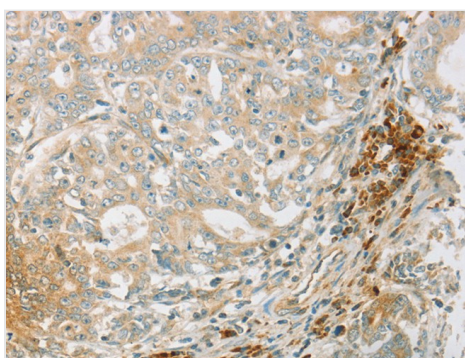
PRODUCT SYNONYMS

PRKAA1; Polyclonal Antibody; PRKAA1 Polyclonal Antibody; AMPK; AMPKa1; anti-PRKAA1 antibody

PRODUCT SPECIFICATIONS

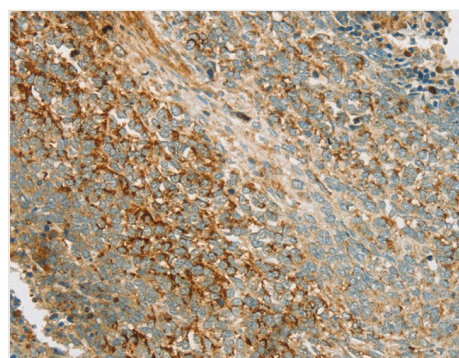
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	2.5mg/mL (varies by lot)
Sequence Length	550
Applicable Applications for anti-PRKAA1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human PRKAA1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using PRKAA1 Polyclonal Antibody at dilution 1:70



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using PRKAA1 Polyclonal Antibody at dilution 1:70

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAA1 antibody	The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Product Categories/Family for anti-PRKAA1 antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	27469582
NCBI GeneID	5562
Molecular Weight	65,523 Da
NCBI Official Full Name	PRKAA1 protein
NCBI Official Synonym Full Names	protein kinase, AMP-activated, alpha 1 catalytic subunit
NCBI Official Symbol	PRKAA1
NCBI Official Synonym Symbols	AMPK; AMPKa1
NCBI Protein Information	5'-AMP-activated protein kinase catalytic subunit alpha-1; 5'-AMP-activated protein kinase, catalytic alpha-1 chain; ACACA kinase; AMP -activate kinase alpha 1 subunit; AMP-activated protein kinase, catalytic, alpha-1; AMPK alpha 1; AMPK subunit alpha-1; HMGCR kinase; acetyl-CoA carboxylase kinase; hydroxymethylglutaryl-CoA reductase kinase; tau-protein kinase PRKAA1
UniProt Protein Name	5'-AMP-activated protein kinase catalytic subunit alpha-1
UniProt Gene Name	PRKAA1
UniProt Synonym Gene Names	AMPK1; AMPK subunit alpha-1; ACACA kinase; HMGCR kinase
UniProt Entry Name	AAPK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.