

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

PRKAA1 RABBIT PAB

Cat.#: S214064

Product Name: Anti-PRKAAl Rabbit Polyclonal Antibody

Synonyms: AMPK; AMPKal

UNIPROT ID: Q13131 (Gene Accession - NP_006242)

Background: 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.

Immunogen: Synthetic peptide of human PRKAAl

Applications: ELISA, IHC

Recommended Dilutions: IHC: 100-300; ELISA: 2000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

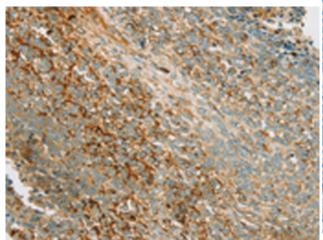
Research Areas: Signal Transduction, Cancer, Metabolism, Cardiovascular, Neuroscience

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

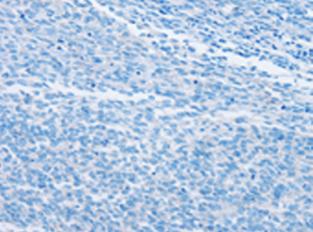


Product Description

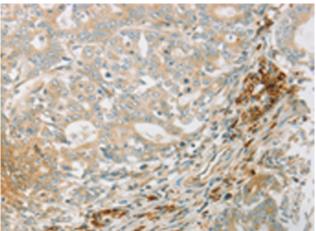
Pioneering GTPase and Oncogene Product Development since 2010



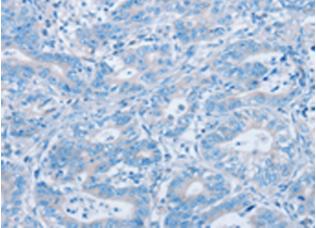
Immunohistochemistry analysis of paraffin embedded Human ovarian cancer tissue using 214064(PRKAA1 Antibody) at a dilution of 1/70(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with the synthetic peptide and then with 214064(Anti-PRKAA1 Antibody) at dilution 1/70.



The image on the left is immunohistochemistry of paraffinembedded Human gastric cancer tissue using 214064(Anti-PRKAA1 Antibody) at a dilution of 1/70.



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with synthetic peptide and then with D161273(Anti-PRKAA1 Antibody) at dilution 1/70.