

Rabbit PRKAG1 Polyclonal Antibody | anti-PRKAG1 antibody

PRKAG1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280029	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PRKAG1; Polyclonal Antibody; PRKAG1 Polyclonal Antibody; AMPKG; anti-PRKAG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	331
Applicable Applications for anti-PRKAG1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PRKAG1
Calculated Molecular Weight	38kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using PRKAG1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using PRKAG1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using PRKAG1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using PRKAG1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PRKAG1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKAG1 antibody	The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Product Categories/Family for anti-PRKAG1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1703037
NCBI GeneID	5571
UniProt Accession #	P54619; Q8N7V9; B4DDT7
Molecular Weight	331
NCBI Official Full Name	5'-AMP-activated protein kinase subunit gamma-1
NCBI Official Synonym Full Names	protein kinase, AMP-activated, gamma 1 non-catalytic subunit
NCBI Official Symbol	PRKAG1
NCBI Official Synonym Symbols	AMPKG
NCBI Protein Information	5'-AMP-activated protein kinase subunit gamma-1; AMPK gamma1; AMPK gamma-1 chain; 5'-AMP-activated protein kinase, gamma-1 subunit
UniProt Protein Name	5'-AMP-activated protein kinase subunit gamma-1
UniProt Gene Name	PRKAG1
UniProt Synonym Gene Names	AMPK gamma1; AMPK subunit gamma-1; AMPKg
UniProt Entry Name	AAKG1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/prkag1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/280029>