

PRKAG1 Antibody

Catalog No: #36098

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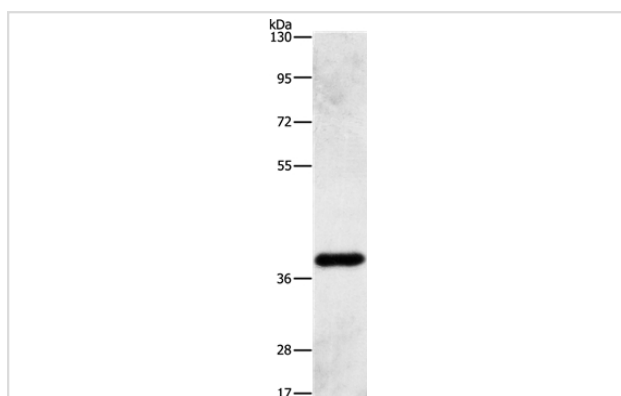
Description

Product Name	PRKAG1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PRKAG1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	PRKAG1
Other Names	AMPKG
Accession No.	Swiss-Prot#: P54619NCBI Gene ID: 5571Gene Accssion: BC000358
Uniprot	P54619
GeneID	5571;
SDS-PAGE MW	38kd
Concentration	0.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Images



Gel: 8%SDS-PAGE
 Lysates (from left to right): Human fetal liver tissue
 Amount of lysate: 60ug per lane
 Primary antibody: 1/500 dilution
 Secondary antibody dilution: 1/8000
 Exposure time: 5 minutes

Background

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.

Note: This product is for in vitro research use only