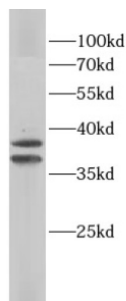


5'-AMP-Activated Protein Kinase Subunit Gamma-1 (PRKAG1) Antibody

Catalogue No.: abx147748



WB analysis of Jurkat cells, using PRKAG1 antibody (1/1000 dilution).

5'-AMP-Activated Protein Kinase Subunit Gamma-1 (PRKAG1) Antibody is a Rabbit Polyclonal antibody for the detection of 5'-AMP-Activated Protein Kinase Subunit Gamma-1.

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.

Target: 5'-AMP-Activated Protein Kinase Subunit Gamma-1 (PRKAG1)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: protein kinase, AMP-activated, gamma 1 non-catalytic subunit

Isotype: IgG

Form: Liquid

Purity: ≥ 95% (SDS-PAGE)

Datasheet

Version: 2.0.0

Revision date: 20 Aug 2025



Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	P54619 (UniProt , ExPASy)
Gene Symbol:	PRKAG1
GeneID:	5571
OMIM:	602742
HGNC:	9385
KEGG:	hsa:5571
Ensembl:	ENSG00000181929
String:	9606.ENSP00000323867
Molecular Weight:	Observed MW: 35-40 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.