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Datasheet for ABIN1574210
anti-PRKAG2 antibody (C-Term)

Overview

Quantity:	40 µg
Target:	PRKAG2
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAG2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH-coupled synthetic peptide from C-terminal of human AMPK γ 2
Isotype:	IgG
Specificity:	AMPK γ 2 Antibody, pAb, Rabbit detects human endogenous AMPK γ 2 and does not cross-react with AMPK γ 1 and AMPK γ 3. It is predicted to react with mouse and rat AMPK γ 2 according to sequence homology.
Cross-Reactivity (Details):	AMPK γ 2 Antibody, pAb, Rabbit detects human endogenous AMPK γ 2 and does not cross-react with AMPK γ 1 and AMPK γ 3. It is predicted to react with mouse and rat AMPK γ 2 according to sequence homology.
Purification:	Immunoaffinity chromatography

Target Details

Target:	PRKAG2
Alternative Name:	AMPKgamma2 (PRKAG2 Products)
Background:	AMP-activated protein kinase (AMPK) plays an important role in the regulation of energy homeostasis. It is activated by an elevated AMP/ATP ratio caused by cellular and environmental stress, such as heat shock, hypoxia, and ischemia. AMPK is a heterotrimeric complex composed of a catalytic alpha subunit and regulatory beta and gamma subunits, each of which is encoded by two or three distinct genes (alpha1, alpha2, beta1, beta2, gamma1, gamma2, gamma3). AMPKgamma2 Antibody, pAb, Rabbit is developed in rabbit using a KLH-coupled synthetic peptide from C-terminal of human AMPKgamma2 (Swiss Prot: Q9UGJ0).
Pathways:	AMPK Signaling , Cellular Glucan Metabolic Process , Ribonucleoside Biosynthetic Process , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

Application Notes:	Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. Western blot: 0.5-1 µg/mL Other Applications: User optimized
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling

Storage: 4 °C/-20 °C

Storage Comment: The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.