

Datasheet for ABIN7253299

anti-PRKAG2 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	200 µL
Target:	PRKAG2
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAG2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Fusion protein of human PRKAG2
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	PRKAG2
Alternative Name:	PRKAG2 (PRKAG2 Products)
Background:	AMP-activated protein kinase (AMPK) is a heterotrimeric protein composed of a catalytic alpha subunit, a noncatalytic beta subunit, and a noncatalytic regulatory gamma subunit. Various forms of each of these subunits exist, encoded by different genes. AMPK is an important energy-sensing enzyme that monitors cellular energy status and functions by inactivating key

Target Details

enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This gene is a member of the AMPK gamma subunit family. Mutations in this gene have been associated with Wolff-Parkinson-White syndrome, familial hypertrophic cardiomyopathy, and glycogen storage disease of the heart. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. PRKAG2 (Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 2) is a Protein Coding gene. Diseases associated with PRKAG2 include Glycogen Storage Disease Of Heart, Lethal Congenital and Wolff-Parkinson-White Syndrome. Among its related pathways are RET signaling and Regulation of TP53 Activity. GO annotations related to this gene include protein kinase binding and protein kinase activator activity. An important paralog of this gene is PRKAG1.

UniProt: [Q9UGJ0](#)

Pathways: [AMPK Signaling](#), [Cellular Glucan Metabolic Process](#), [Ribonucleoside Biosynthetic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Warburg Effect](#)

Application Details

Application Notes: IHC 1:50-1:300, ELISA 1:5000-1:10000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.96 mg/mL

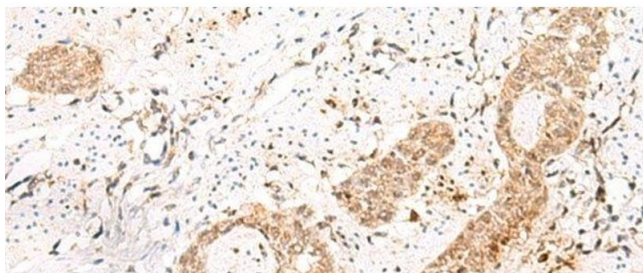
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PRKAG2 Polyclonal Antibody at dilution of 1:55(x200)