

Datasheet for ABIN5611227

anti-PRKAG3 antibody (AA 9-151)

5 Images

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PRKAG3
Binding Specificity:	AA 9-151
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human PRKAG3 (AA: 9-151) expressed in E. coli.
Clone:	2C7A7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PRKAG3
Alternative Name:	PRKAG3 (PRKAG3 Products)
Background:	Description: 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

Target Details

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. It is dominantly expressed in skeletal muscle. Studies of the pig counterpart suggest that this subunit may play a key role in the regulation of energy metabolism in skeletal muscle.

Aliases: AMPKG3

Molecular Weight: 54.3 kDa

Gene ID: 53632

HGNC: 53632

Pathways: [AMPK Signaling](#), [Cellular Glucan Metabolic Process](#), [Warburg Effect](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: N/A, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

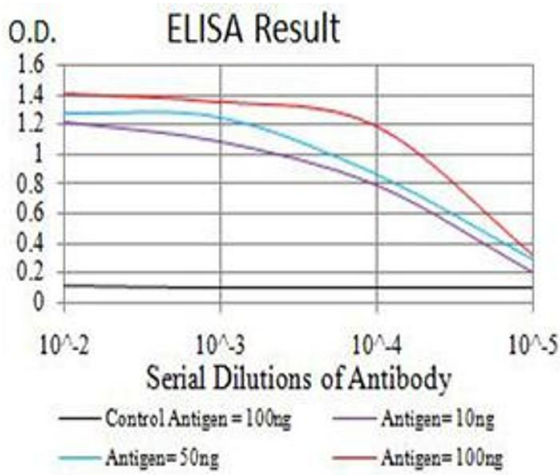
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

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

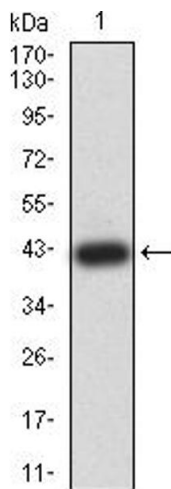
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



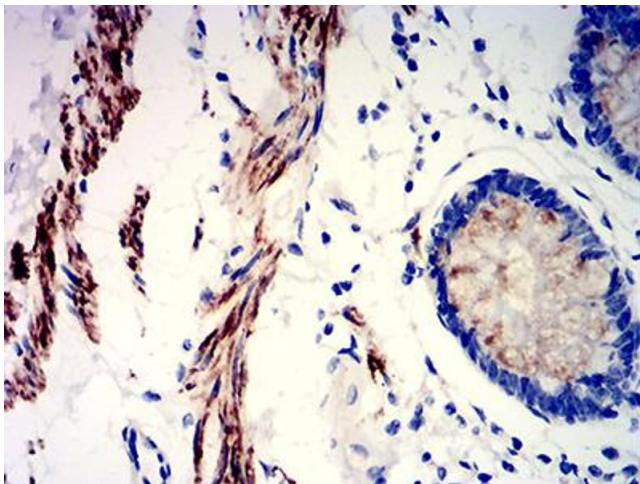
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



Western Blotting

Image 2. Western blot analysis using PRKAG3 mAb against human PRKAG3 (AA: 9-151) recombinant protein. (Expected MW is 41.1 kDa)



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded rectum tissues using PRKAG3 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5611227.