antibodies

Datasheet for ABIN751873 anti-PRKAG3 antibody (AA 151-250)

3 Images



Overview

Quantity:	100 µL
Target:	PRKAG3
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAG3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AMPK gamma 3
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
T . D	
Target Details	

Target:

PRKAG3

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN751873 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	Ampk gamma 3/Prkag3 (PRKAG3 Products)
Background:	Synonyms: AMPKG3, 5'-AMP-activated protein kinase subunit gamma-3, AMPK gamma3,
	AMPK subunit gamma-3, PRKAG3
	Background: AMP/ATP-binding subunit of AMP-activated protein kinase (AMPK), an energy
	sensor protein kinase that plays a key role in regulating cellular energy metabolism. In response
	to reduction of intracellular ATP levels, AMPK activates energy-producing pathways and inhibits
	energy-consuming processes: inhibits protein, carbohydrate and lipid biosynthesis, as well as
	cell growth and proliferation. AMPK acts via direct phosphorylation of metabolic enzymes, and
	by longer-term effects via phosphorylation of transcription regulators. Also acts as a regulator
	of cellular polarity by remodeling the actin cytoskeleton, probably by indirectly activating
	myosin. Gamma non-catalytic subunit mediates binding to AMP, ADP and ATP, leading to
	activate or inhibit AMPK: AMP-binding results in allosteric activation of alpha catalytic subunit
	(PRKAA1 or PRKAA2) both by inducing phosphorylation and preventing dephosphorylation of
	catalytic subunits. ADP also stimulates phosphorylation, without stimulating already
	phosphorylated catalytic subunit. ATP promotes dephosphorylation of catalytic subunit,
	rendering the AMPK enzyme inactive.
Gene ID:	53632
UniProt:	Q9UGI9
Pathways:	AMPK Signaling, Cellular Glucan Metabolic Process, Warburg Effect
Application Details	

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN751873 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

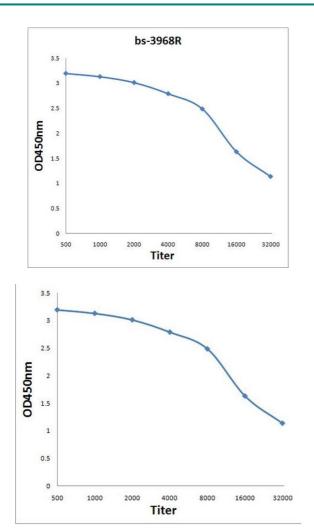
1 μg/μL

Concentration:

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images

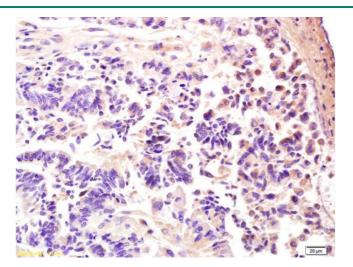


ELISA

Image 1. Antigen: 0.2 μg/100 μL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450

ELISA

Image 2. Antigen: 0.2ug/100ul, Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded human rectal carcinoma labeled with Anti-AMPK gamma 3/PRKAG3 Polyclonal Antibody, Unconjugated (ABIN751873) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN751873 | 03/07/2024 | Copyright antibodies-online. All rights reserved.