

Datasheet for ABIN751858
anti-PRKAB1 antibody (AA 201-272)



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2 Images

Overview

Quantity:	100 µL
Target:	PRKAB1
Binding Specificity:	AA 201-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB1 antibody is un-conjugated
Application:	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 beta 2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PRKAB1
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Target Details

Alternative Name:	AMPK beta 1 (PRKAB1 Products)
Background:	<p>Synonyms: AMP activated protein kinase beta 2 non catalytic subunit, AMPK beta 2, AMPK beta 2 chain, PRKAB 2, Protein kinase AMP activated beta 2 non catalytic subunit, PRKAB1, AMPK subunit beta-1, AMPKb</p> <p>Background: PRKAB2 and PRKAB1 are regulatory subunits 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 and plays a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. AMPK is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase (ACC). It also regulates cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase (HMGCR) and hormone-sensitive lipase. PRKAB2 may be a positive regulator of AMPK activity.</p>
Gene ID:	5565, 5564
Pathways:	AMPK Signaling , Warburg Effect

Application Details

Application Notes:	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
Concentration:	1 µg/µL
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.

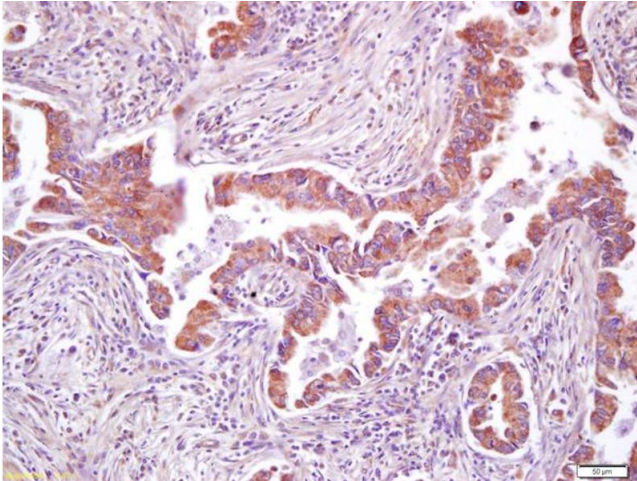
Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

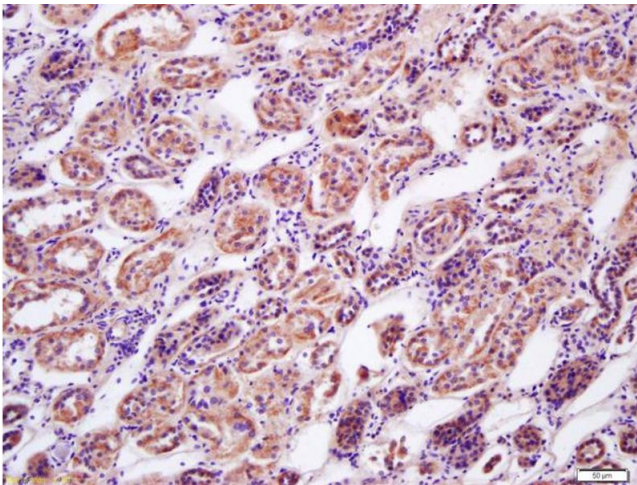
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-AMPK beta 2 Polyclonal Antibody, Unconjugated (ABIN751858) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human kidney labeled with Anti-AMPK beta 2 Polyclonal Antibody, Unconjugated (ABIN751858) at 1:200 followed by conjugation to the secondary antibody and DAB staining