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anti-PRKAB1 antibody

3 Images



Go to Product page

Overview

Quantity:	200 μL
Target:	PRKAB1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide of human PRKAB1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	PRKAB1
Alternative Name:	PRKAB1 (PRKAB1 Products)
Background:	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 monitors cellular
	energy status. In response to cellular metabolic stresses, AMPK is activated, and thus

Target Details

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 may be a positive regulator of AMPK activity. The myristoylation and phosphorylation of this subunit have been shown to affect the enzyme activity and cellular localization of AMPK. This subunit may also serve as an adaptor molecule mediating the association of the AMPK complex.

Gene ID: 5564

UniProt: Q9Y478

Pathways: AMPK Signaling, Warburg Effect

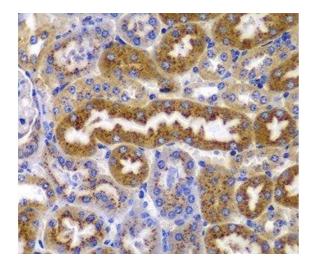
Application Details

Application Notes: IHC 1:50-1:200

Restrictions: For Research Use only

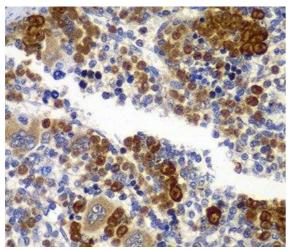
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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.



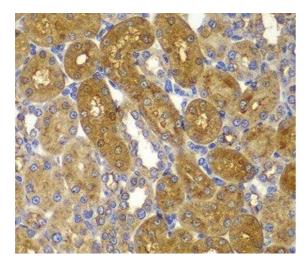
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Mouse kidney using PRKAB1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Rat spleen using PRKAB1 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Rat kidney using PRKAB1 Polyclonal Antibody at dilution of 1:100 (40x lens).