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Datasheet for ABIN7440413
anti-PRKAA1 antibody (AA 28-257)

7 Images

Overview

Quantity:	100 µL
Target:	PRKAA1
Binding Specificity:	AA 28-257
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 1 (AMPK Alpha 1)
Immunogen:	Recombinant Protein Kinase, AMP Activated Alpha 1 (AMPK Alpha 1) corresponding to Ile28~Lys257 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against AMPK Alpha 1. It has been selected for its ability to recognize AMPK Alpha 1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

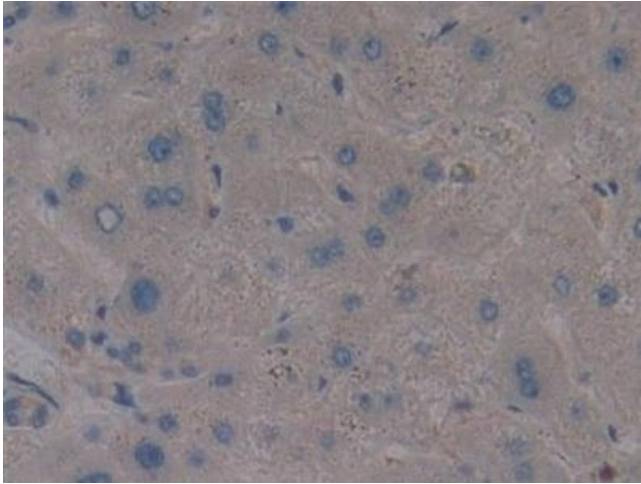
Target:	PRKAA1
Alternative Name:	Protein Kinase, AMP Activated Alpha 1 (PRKAA1 Products)
Background:	PRKAA1, AMPK, AMPKa1, PKA, ACACA kinase, 5'-AMP-Activated Protein Kinase Catalytic Subunit Alpha-1, Acetyl-CoA carboxylase kinase, Hydroxymethylglutaryl-CoA reductase kinase
Pathways:	AMPK Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

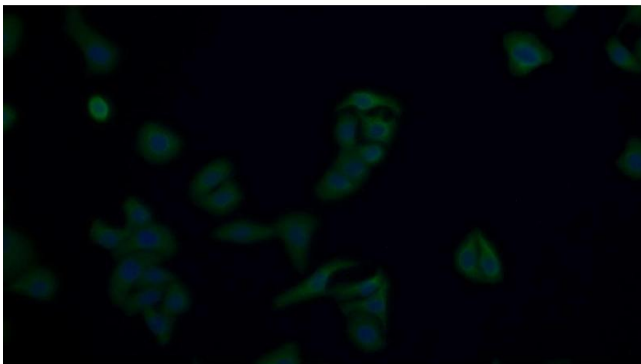
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



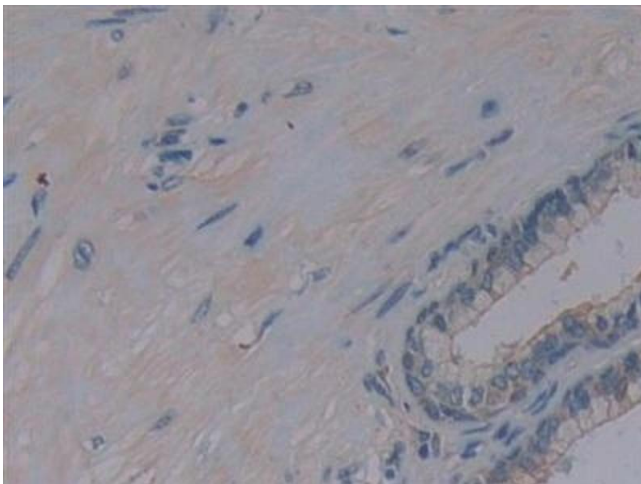
Immunohistochemistry

Image 1. Detection of AMPK Alpha 1 in Human Liver Tissue using Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 1 (AMPK Alpha 1)



Immunofluorescence

Image 2. Detection of AMPK Alpha 1 in Human HeLa cell using Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 1 (AMPK Alpha 1)



Immunohistochemistry

Image 3. Detection of AMPK Alpha 1 in Human Prostate Tissue using Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 1 (AMPK Alpha 1)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7440413.