

Datasheet for ABIN7443308

anti-PRKAA2 antibody (AA 252-493)



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2 Images

Overview

Quantity:	100 µL
Target:	PRKAA2
Binding Specificity:	AA 252-493
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 2 (PRKAA2)
Immunogen:	Recombinant Protein Kinase, AMP Activated Alpha 2 (PRKAA2) corresponding to Asp252~Ala493 (Accession # P54646)
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against PRKAA2. It has been selected for its ability to recognize PRKAA2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Chicken, Chinese Hamster, Cow, Dog, Goat, Mouse, Pig, Rat, Sheep
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

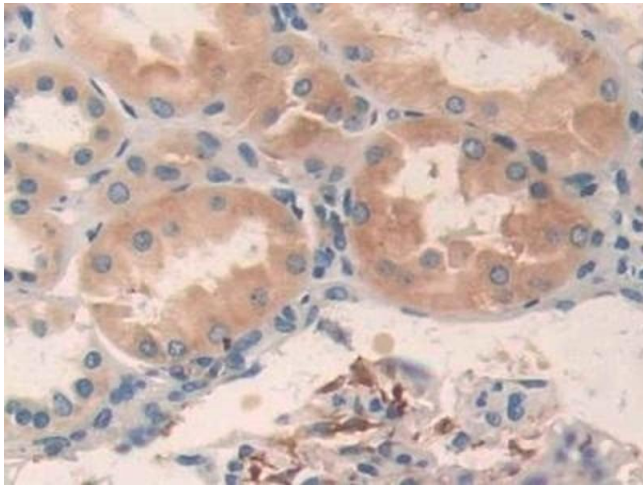
Target:	PRKAA2
Alternative Name:	PRKAa2 (PRKAA2 Products)
Background:	AMPK, AMPK2, PRKAA, 5'-AMP-Activated Protein Kinase Catalytic Subunit Alpha-2, Acetyl-CoA carboxylase kinase, Hydroxymethylglutaryl-CoA reductase kinase
UniProt:	P54646
Pathways:	AMPK Signaling , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

Application Notes:	Western blotting: 0.01-2 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

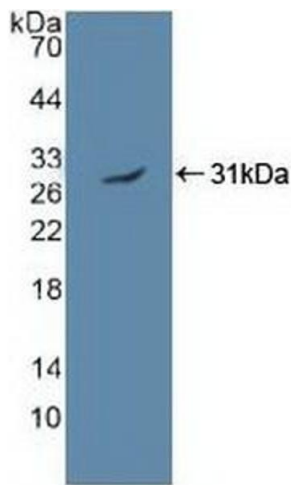
Handling

Format:	Liquid
Concentration:	500 µg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	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 PRKAA2 in Human Kidney Tissue using Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 2 (PRKAA2)



Western Blotting

Image 2. Detection of Recombinant PRKAA2, Human using Polyclonal Antibody to Protein Kinase, AMP Activated Alpha 2 (PRKAA2)