

Datasheet for ABIN2786849
anti-PRKAA2 antibody (Middle Region)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	PRKAA2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Guinea Pig, Horse, Sheep, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAA2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PRKAA2
Sequence:	AYHLIIDNRR IMNQASEFYI ASSPPSGSFM DDSAMHIPPG LKPHPERMPP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PRKAA2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PRKAA2
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Target Details

Alternative Name:	PRKAA2 (PRKAA2 Products)
Background:	<p>The protein encoded by this gene is a catalytic 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</p> <p>Alias Symbols: AMPK, AMPK2, PRKAA, AMPKa2</p> <p>Protein Interaction Partner: KCTD1, NUTM1, RFX6, KIF24, RBPMS, APPBP2, ABI2, AIMP2, TRIP6, TCF4, VPS52, PRKAG1, PRKAB2, L3MBTL3, ZNF397, USHBP1, TSC22D4, HMBOX1, CCNB1IP1, HOMEZ, NECAB2, ZBTB8A, NOTCH2NL, KRTAP10-3, NONO, KRT31, KIFC3, GLI1, FOS, AES, PPARG, UBC, HSP90AA1, WWP1, RPTO</p> <p>Protein Size: 552</p>
Molecular Weight:	62 kDa
Gene ID:	5563
NCBI Accession:	NM_006252 , NP_006243
UniProt:	P54646
Pathways:	AMPK Signaling , Carbohydrate Homeostasis , Chromatin Binding , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 552 AA
Restrictions:	For Research Use only

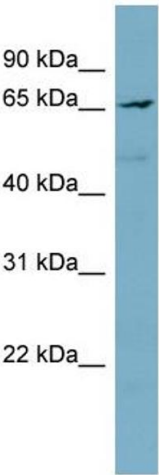
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



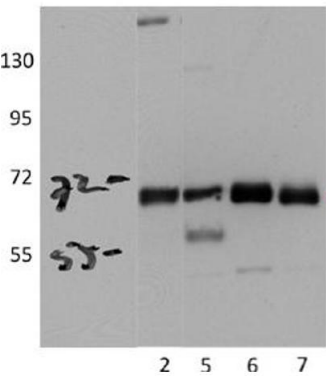
Western Blotting

Image 1. WB Suggested Anti-PRKAA2 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate



PRKAA2(ARP56697_P050)

Western Blot

Sample:

Lane 2: Rat Liver

Lane 5: Human Muscle

Lane 6: Rat Muscle

Lane 7: Mouse Muscle

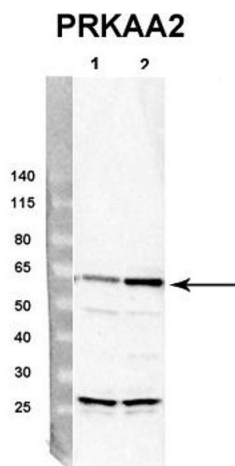
Dilution: 1 to 1000

Application data in forum

Submitted by:
Bruno Guigas
Leiden University Medical Center

Western Blotting

Image 2.



See Immunoblot 2 Data and Customer Feedback tab for more information.

Western Blotting

Image 3. Sample Type: rat hepatocyte (50ug)

Primary Dilution: 1:4000

Secondary Antibody: Donkey anti-Rabbit HRP

Secondary Dilution: 1:10,000

Image Submitted By: Dustin Singer,
INRA/AgroParistech