

Datasheet for ABIN2785500 anti-PRKAA1 antibody (Middle Region)

3 Images



Overview

Quantity:	100 µL
Target:	PRKAA1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Horse, Guinea Pig, Zebrafish (Danio rerio), Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PRKAA1
Sequence:	SVISLLKHML QVDPMKRATI KDIREHEWFK QDLPKYLFPE DPSYSSTMID
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against PRKAA1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	

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Target:

PRKAA1

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er/thr protein kinase family. It is the catalytic subunit of the 5'-prime- hase (AMPK). AMPK is a cellular energy sensor conserved in all se activity of AMPK is activated by the stimuli that increase the cellular gulates the activities of a number of key metabolic enzymes through the cells from stresses that cause ATP depletion by switching off ATP-
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gulates the activities of a number of key metabolic enzymes through ts cells from stresses that cause ATP depletion by switching off ATP-
ts cells from stresses that cause ATP depletion by switching off ATP-
pathways. The protein encoded by this gene belongs to the ser/thr
the catalytic subunit of the 5'-prime-AMP-activated protein kinase
ar energy sensor conserved in all eukaryotic cells. The kinase activity
ne stimuli that increase the cellular AMP/ATP ratio. AMPK regulates
of key metabolic enzymes through phosphorylation. It protects cells
ATP depletion by switching off ATP-consuming biosynthetic
pliced transcript variants encoding distinct isoforms have been
IPKa1, MGC33776, MGC57364
r: PRKAG1, PRKAB2, PRKAB1, GOLGA2, PHC2, CTBP1, CDX4, AES,
M27, KRT40, SSX2IP, PNMA5, UBXN11, RIMBP3, L3MBTL3, TSC22D4,
Z, THAP1, ROPN1, RAD54B, MTUS2, IKZF3, RBPMS, ABI2, ZBED1,
VPS52, PPARG

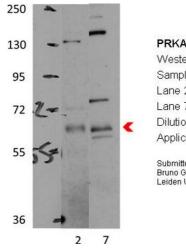
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 559 AA
Restrictions:	For Research Use only

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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 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

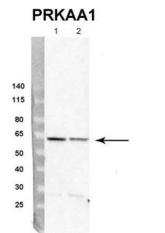


PRKAA1(ARP53652_P050) Western Blot Sample: Lane 2: Rat Liver Lane 7: Mouse Muscle Dilution: 1 to 1000 Application data in forum

Submitted by: Bruno Guigas Leiden University Medical Center

Western Blotting

Image 1.



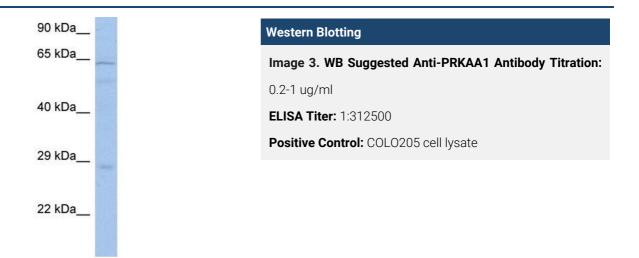
Western Blotting

Image 2. Sample Type: rat hepatocyte (50ug)Priamry Dilution: 1:4000Secondary Antibody: Donkey anti-Rabbit HRPSecondary Dilution: 1:10,000Image Submitted By: Dustin Singer,INRA/AgroParistech

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

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