

Datasheet for ABIN2786810

anti-PRKAB2 antibody (Middle Region)



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1 Image

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Overview

Quantity:	100 µL
Target:	PRKAB2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PRKAB2
Sequence:	RDLSSSPPGP YGQEMYAFRS EERFKSPPI LPPHLLQVILN KDTNISCDPA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against PRKAB2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PRKAB2
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Target Details

Alternative Name:	PRKAB2 (PRKAB2 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 tha Alias Symbols: MGC61468 Protein Interaction Partner: MAGED1, PIAS2, STX11, BLZF1, TRAF2, STX19, KRTAP10-3, KRTAP10-8, KRTAP10-5, KRTAP10-9, KRTAP10-7, CCDC36, KRT40, RHEBL1, UBXN11, CREB3L1, RIMBP3, KRTAP4-2, KRTAP9-4, LZTS2, KRTAP9-2, KRTAP4-12, CCDC33, BEND5, GATAD2B, BANP, FAM208B, GET4, KLF15, IKZF3, IK Protein Size: 272
Molecular Weight:	30 kDa
Gene ID:	5565
NCBI Accession:	NM_005399 , NP_005390
UniProt:	O43741
Pathways:	AMPK Signaling , Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 272 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 Advice:	Avoid repeated freeze-thaw cycles.

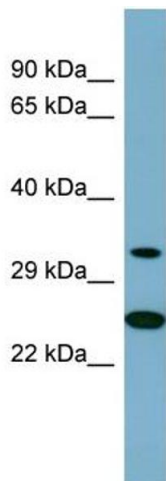
Handling

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.

Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: Molecular systems biology , Vol. 3, pp. 89, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-PRKAB2 Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate