

Datasheet for ABIN545500

anti-PRKAB2 antibody (N-Term)**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	PRKAB2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKAB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PRKAB2.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRKAB2.
Cross-Reactivity:	Human, Mouse

Target Details

Target:	PRKAB2
Alternative Name:	AMPK beta-2 chain / PRKAB2 (PRKAB2 Products)
Gene ID:	5565
Pathways:	AMPK Signaling , Warburg Effect

Application Details

Application Notes:	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
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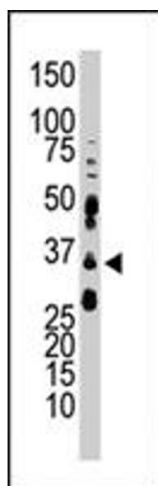
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	In PBS (0.09 % sodium azide)
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 long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

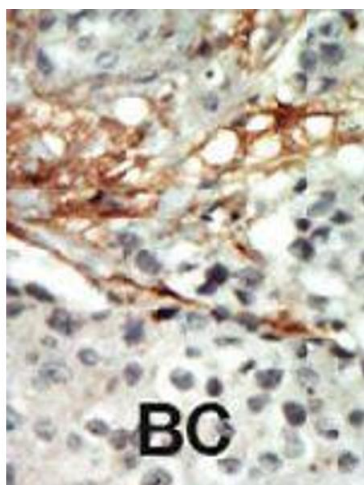
Publications

Product cited in:	<p>Minokoshi, Alquier, Furukawa, Kim, Lee, Xue, Mu, Fougelle, Ferré, Birnbaum, Stuck, Kahn: "AMP-kinase regulates food intake by responding to hormonal and nutrient signals in the hypothalamus." in: Nature, Vol. 428, Issue 6982, pp. 569-74, (2004) (PubMed).</p> <p>Park, Paulsen, Gammon, Mustard, Hardie, Winder: "Effects of thyroid state on AMP-activated protein kinase and acetyl-CoA carboxylase expression in muscle." in: Journal of applied physiology (Bethesda, Md. : 1985), Vol. 93, Issue 6, pp. 2081-8, (2002) (PubMed).</p> <p>Prochazka, Farook, Ossowski, Wolford, Bogardus: "Variant screening of PRKAB2, a type 2 diabetes mellitus susceptibility candidate gene on 1q in Pima Indians." in: Molecular and cellular probes, Vol. 16, Issue 6, pp. 421-7, (2002) (PubMed).</p>
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Western Blotting

Image 1. The PRKAB2 polyclonal antibody is used in Western blot to detect PRKAB2 in mouse brain tissue lysate .



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human cancer tissue reacted with PRKAB2 polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . BC = breast carcinoma .