

Datasheet for ABIN392536  
**anti-PRKG1 antibody (C-Term)**[Go to Product page](#)

4 Images

1 Publication

## Overview

Quantity:	400 µL
Target:	PRKG1
Binding Specificity:	AA 629-660, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This cGKI (cGKI beta) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 629-660 amino acids from the C-terminal region of human cGKI beta.
Clone:	RB1046
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	PRKG1
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## Target Details

Alternative Name:	cGKI (cGKI beta) ( <a href="#">PRKG1 Products</a> )
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.
Molecular Weight:	76364
Gene ID:	5592
NCBI Accession:	<a href="#">NP_001091982</a> , <a href="#">NP_006249</a>
UniProt:	<a href="#">Q13976</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:100. IHC-P: 1:100
Restrictions:	For Research Use only

## Handling

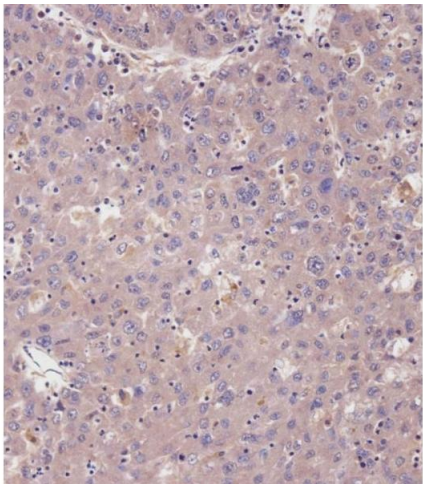
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in: Pan, Hsuchou, Cornelissen-Guillaume, Jayaram, Wang, Tu, Halberg, Wu, Chua, Kastin: "Endothelial leptin receptor mutation provides partial resistance to diet-induced obesity." in: **Journal of applied physiology (Bethesda, Md. : 1985)**, Vol. 112, Issue 8, pp. 1410-8, (2012) ([PubMed](#)).

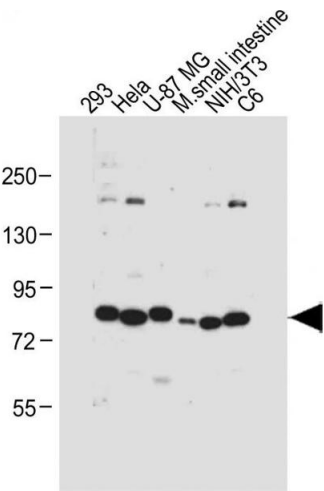
Wang, Yang, Du, Guan, Xu, Xu, Su, Miao: "Involvement of Leptin Receptor (LepRb)-STAT3 Signaling Pathway in Brain FTO Downregulation during Energy Restriction." in: **Molecular medicine (Cambridge, Mass.)**, (2011) ([PubMed](#)).

Images



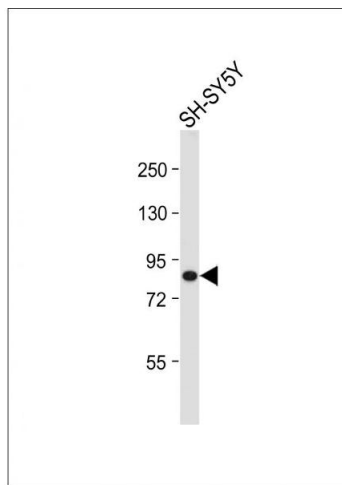
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of A on paraffin-embedded Human hepato carcinoma tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer ( pH 9. 0). Samples were incubated with primary Antibody (1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Western Blotting

**Image 2.** All lanes : Anti-cGKI (cGKI beta) Antibody (C-term) at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: U-87 MG whole cell lysate Lane 4: Mouse small intestine tissue lysate Lane 5: NIH/3T3 whole cell lysate Lane 6: C6 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



### Western Blotting

**Image 3.** Anti-cGKI (cGKI beta) Antibody (C-term) at 1:1000 dilution + SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 76 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392536.