

Datasheet for ABIN391388

**anti-AMPK alpha antibody (AA 474-502)****3** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	AMPK alpha (SNF1A)
Binding Specificity:	AA 474-502
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AMPK alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This AMPK alpha(PRKAA1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 474-502 amino acids from human AMPK alpha(PRKAA1).
Clone:	RB13341
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	AMPK alpha (SNF1A)
Alternative Name:	AMPK alpha (PRKAA1) ( <a href="#">SNF1A Products</a> )

## Target Details

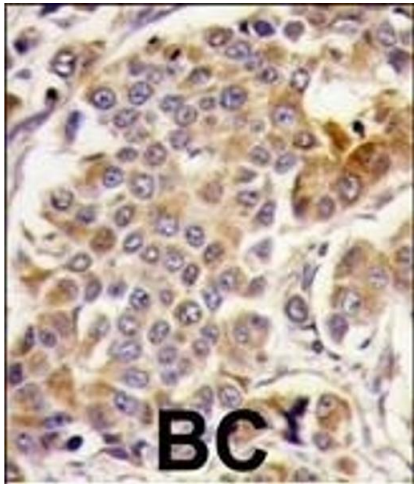
Background:	PRKAA1 belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways.
Molecular Weight:	64009
Gene ID:	5562
NCBI Accession:	<a href="#">NP_006242</a> , <a href="#">NP_996790</a>
UniProt:	<a href="#">Q13131</a>
Pathways:	<a href="#">Warburg Effect</a>

## Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

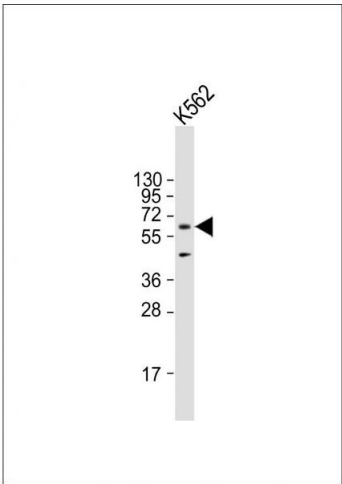
## Handling

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



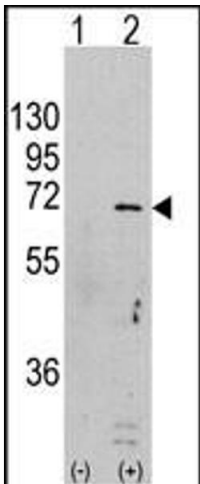
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with PRKp, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Anti-PRK Antibody at 1:2000 dilution + K562 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 : 64 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



**Western Blotting**

**Image 3.** Western blot analysis of PRK (arrow) using rabbit polyclonal PRK Antibody (ABIN391388 and ABIN2837970). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PRK gene (Lane 2) (Origene Technologies).