

Datasheet for ABIN7075244  
**anti-PKA antibody (Catalytic Subunit)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	PKA
Binding Specificity:	Catalytic Subunit
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PKA antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant protein corresponding to Mouse PKA alpha+beta
Cross-Reactivity:	Human, Rat
Purification:	Affinity purification

## Target Details

Target:	PKA
Alternative Name:	PKA alpha+beta ( <a href="#">PKA Products</a> )
Background:	The catalytic subunit $\alpha$ of protein kinase A is a key regulatory enzyme that in humans is encoded by the PRKACA gene. This enzyme is responsible for phosphorylating other proteins and substrates, changing their activity. Protein kinase A catalytic subunit (PKA C $\alpha$ ) is a member of the AGC kinase family (protein kinases A, G, and C), and contributes to the control of cellular

## Target Details

processes that include glucose metabolism, cell division, and contextual memory. PKA Cα is part of a larger protein complex that is responsible for controlling when and where proteins are phosphorylated. Defective regulation of PKA holoenzyme activity has been linked to the progression of cardiovascular disease, certain endocrine disorders and cancers.

Molecular Weight: 41 kDa

Gene ID: 18747

NCBI Accession: [NP\\_001264827](#)

UniProt: [P05132](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: WB (H,M,R) 1: 500-1: 1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS, pH 7.4, 0.02 % 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: -20 °C

Western Blotting

**Image 1.** Western blot analysis of PKAC-a (ABIN7075244) at dilution of 1: 500

