

Datasheet for ABIN5530443

anti-PRKACA/PRKACB antibody (C-Term)[Go to Product page](#)**3** Images

Overview

Quantity:	400 µL
Target:	PRKACA/PRKACB
Binding Specificity:	AA 292-319, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRKACA/PRKACB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Mouse Prkaca/Prkacb antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 292-319 amino acids from the C-terminal region of mouse Prkaca/Prkacb.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PRKACA/PRKACB
Alternative Name:	Prkaca/Prkacb (PRKACA/PRKACB Products)
Background:	Mediates cAMP-dependent signaling triggered by receptor binding to GPCRs. PKA activation regulates diverse cellular processes such as cell proliferation, the cell cycle, differentiation and

Target Details

regulation of microtubule dynamics, chromatin condensation and decondensation, nuclear envelope disassembly and reassembly, as well as regulation of intracellular transport mechanisms and ion flux.

Molecular Weight: 41 kDa

Gene ID: 18749

UniProt: [P68181](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

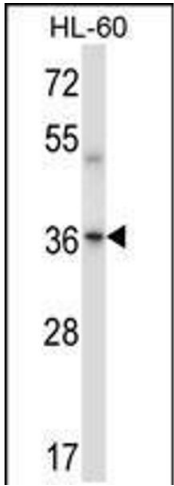
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

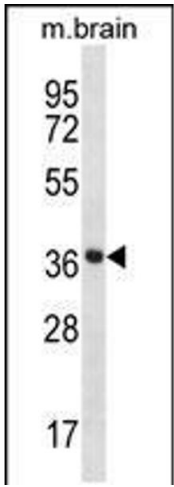
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



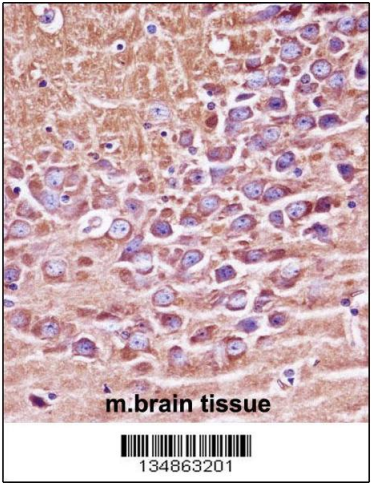
Western Blotting

Image 1. Western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the Prkaca/Prkacb antibody detected the Prkaca/Prkacb protein (arrow).



Western Blotting

Image 2. Western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the Prkaca/Prkacb antibody detected the Prkaca/Prkacb protein (arrow).



Immunohistochemistry

Image 3. Mouse Prkaca/Prkacb Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Prkaca/Prkacb Antibody for immunohistochemistry.