**Product Datasheet**

# PRKCB Antibody

Catalog No: #33083

Package Size: #33083-1 50ul #33083-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

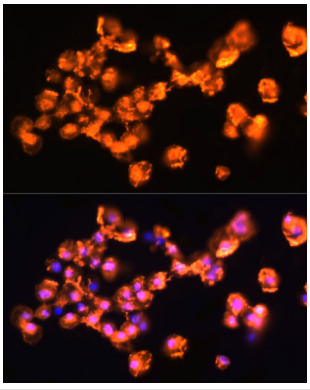
## Description

| | |
|---|---|
| Product Name | PRKCB Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB,IF |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total PRKCB protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant protein of human PRKCB. |
| Target Name | PRKCB |
| Other Names | PKCB; PRKCB1; PRKCB2; PKC-beta; |
| Accession No. | Swiss-Prot:P05771NCBI Gene ID:5579 |
| Uniprot | P05771 |
| GeneID | 5579; |
| SDS-PAGE MW | 76KD |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

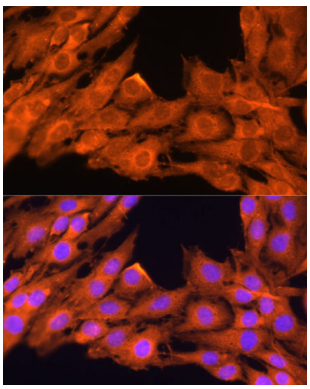
## Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

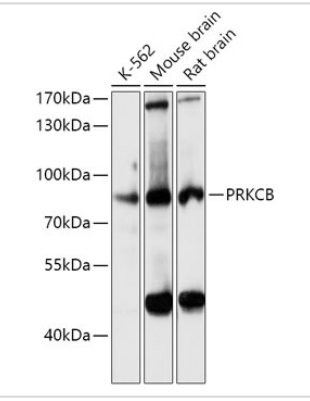
## Images



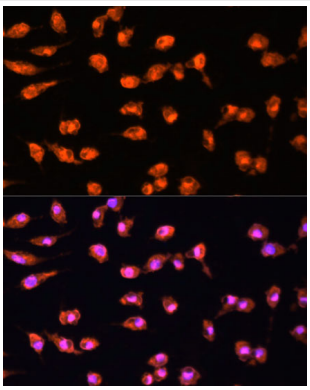
Immunofluorescence analysis of A431 cells using PRKCB at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using PRKCB at dilution of 1:100. Blue: DAPI for nuclear staining.




Western blot analysis of extracts of various cell lines, using PRKCB at 1:3000 dilution.



Immunofluorescence analysis of L929 cells using PRKCB at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase has been reported to be involved in many different cellular functions, such as B cell activation, apoptosis induction, endothelial cell proliferation, and intestinal sugar absorption. Studies in mice also suggest that this kinase may also regulate neuronal functions and correlate fear-induced conflict behavior after stress. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

Note: This product is for in vitro research use only