

For Research Use Only

PRKCB Monoclonal antibody, PBS Only



Catalog Number: 68620-1-PBS

Basic Information

Catalog Number: 68620-1-PBS	GenBank Accession Number: BC036472	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 5579	CloneNo.: 4B7A1
Source: Mouse	UNIPROT ID: P05771	
Isotype: IgG1	Full Name: protein kinase C, beta	
Immunogen Catalog Number: AG33693	Calculated MW: 673 aa, 77 kDa	
	Observed MW: 77 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, pig, rabbit, rat, mouse

Background Information

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. Protein kinase Cs (PKCs) are signaling molecules that play key roles in many cellular processes, including secretion, gene expression, proliferation, and muscle contraction. The PKC family is broadly divided into three subgroups: classical, novel, and atypical PKCs. These subgroups differ in both protein sequences and mechanistic requirements for catalytic activity. PKC beta is one of the PKC family members. PKC beta 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. This antibody can recognize PKC beta, PKC alpha, PKC gamma, PKC epsilon and PKC delta.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

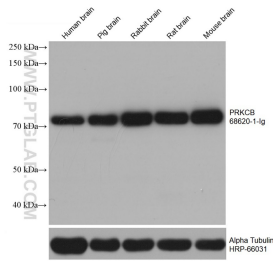
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68620-1-Ig (PRKCB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 68620-1-PBS in a different storage buffer formulation.