

## Anti-PKC beta 2 PRKCB Rabbit Monoclonal Antibody

Catalog Number: M01940

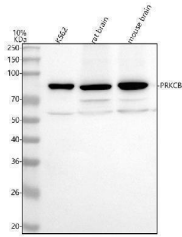
### Overview

Product Name	Anti-PKC beta 2 PRKCB Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PKC beta 2 PRKCB Rabbit Monoclonal Antibody catalog # M01940. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal DOC-16
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05771

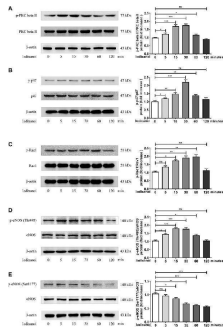
### Technical Details

Immunogen	A synthesized peptide derived from human PKC beta 2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:50 FC 1:50

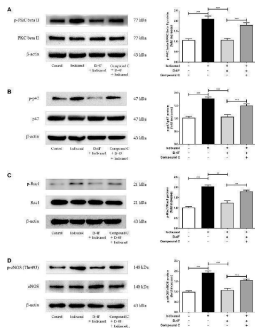
## Anti-PKC beta 2 PRKCB Rabbit Monoclonal Antibody (M01940) Images



Western blot analysis of PRKCB using anti-PRKCB antibody (M01940). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human K562 whole cell lysates, Lane 2: rat brain tissue lysates, Lane 3: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PRKCB antigen affinity purified monoclonal antibody (Catalog # M01940) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PRKCB at approximately 77 kDa. The expected band size for PRKCB is at 77 kDa.



Iodixanol triggered PKC phosphorylation, NOX activation, and eNOS dysregulation in HUVECs. HUVECs were incubated with iodixanol (30 mg I/ml) for 0, 5, 15, 30, 60, or 120 min. The phosphorylation of PKC beta II, p47, Rac1, eNOS (Thr495), and eNOS (Ser1177) was assayed by Western blot analysis (A-E). Index in PubMed under a CC BY license. PMID: 33658920



D-4F inhibited iodixanol-induced NOX activation and eNOS dysregulation through the AMPK/PKC pathway in HUVECs. HUVECs were preincubated in the absence or presence of Compound C (2 umol/L) for 1 h. Then, cells were incubated with or without D-4F (20 ug/ml) for 8 h and treated with iodixanol (30 mg I/ml) for 30 min. The phosphorylation of PKC beta II, p47, Rac1, and eNOS (Thr495) was assayed by Western blot analysis (A-D). Index in PubMed under a CC BY license. PMID: 33658920

## 1 Publications Citing This Product

1. PubMed ID: 26279755, Different localization and expression of protein kinase C-beta in kidney cortex of diabetic nephropathy mice and its role in telmisartan treatment

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