

Anti-PKC Delta (phospho-Y52) PRKCD Antibody

Catalog Number: A00822Y52

About PRKCD

Collagen type III occurs in most soft connective tissues along with type I collagen. Involved in regulation of cortical development. Is the major ligand of GPR56 in the developing brain and binding to GPR56 inhibits neuronal migration and activates the RhoA pathway by coupling GPR56 to GNA13 and possibly GNA12.

Arja Lamberg, J. Biol. Chem., May 1996; 271: 11988.

GW Conrad, J. Cell Biol., Mar 1980; 84: 501.

DR Keene, J. Cell Biol., Nov 1987; 105: 2393.

HM Wang, J. Histochem. Cytochem., Nov 1980; 28: 1215.

Overview

Product Name	Anti-PKC Delta (phospho-Y52) PRKCD Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PKC Delta (phospho-Y52) PRKCD Antibody catalog # A00822Y52. Tested in WB,IHC applications. This antibody reacts with Human,Mouse,Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Q05655

Technical Details

Immunogen	Synthesized peptide derived from human PKC delta around the phosphorylation site of Y313.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 97% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000 IHC: 1:50-1:200

Anti-PKC Delta (phospho-Y52) PRKCD Antibody (A00822Y52) Images

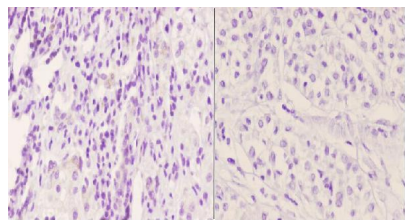


Figure 2. Immunohistochemistry validation of PRKCD using Anti-PKC Delta (phospho-Y52) PRKCD Antibody (A00822Y52).

Immunohistochemistry (IHC) analyzes of p-PKC delta (Y52) pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody

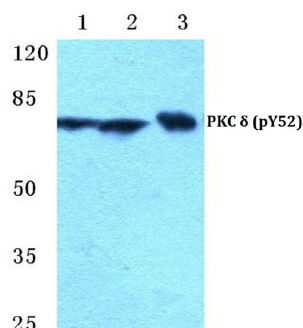


Figure 1. Western blotting validation for Anti-PKC Delta (phospho-Y52) PRKCD Antibody A00822Y52

Western blot (WB) analysis of p-PKC delta (Y52) polyclonal antibody at 1:500 dilution

Lane1: MCF-7 cell lysate treated with serum starvation (24h)

Lane2: Raw264.7 cell lysate treated with serum starvation (24h)

Lane3: H9C2 cell lysate treated with serum starvation (24h)

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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