

Anti-PKC Theta (phospho-S676) PRKCQ Antibody

Catalog Number: A01293S676

About PRKCQ

Key calcium ion sensor involved in the Ca²⁺-triggered synaptic vesicle-plasma membrane fusion. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress By similarity.

Delia J. Hernández-Deviez, Hum. Mol. Genet., Jan 2006; 15: 129 - 142.

Yanchao Huang, FASEB J, Mar 2007; 21: 732 - 742.

Mengfatt Ho, Hum. Mol. Genet., Sep 2004; 13: 1999 - 2010.

Eriko Fujita, Hum. Mol. Genet., Mar 2007; 16: 618 - 629.

Overview

Product Name	Anti-PKC Theta (phospho-S676) PRKCQ Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PKC Theta (phospho-S676) PRKCQ Antibody catalog # A01293S676. Tested in WB,IHC,IF applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, 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	Q04759

Technical Details

Immunogen	Synthesized peptide derived from human GP-39
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 > 95% (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 IF: 1:50-1:200

Anti-PKC Theta (phospho-S676) PRKCQ Antibody (A01293S676) Images

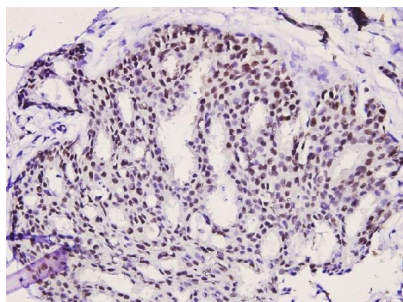


Figure 2. Immunohistochemistry validation of PRKCQ using Anti-PKC Theta (phospho-S676) PRKCQ Antibody (A01293S676).

Immunohistochemistry (IHC) analyzes of p-PKC theta (S676) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

For more protocol information of IHC

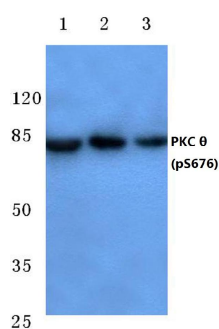


Figure 1. Western blotting validation for Anti-PKC Theta (phospho-S676) PRKCQ Antibody A01293S676

Western blot (WB) analysis of p-PKC theta (S676) pAb at 1:500 dilution

Lane1:The Spleen tissue lysate of Mouse(40ug)

Lane2:K562 whole cell lysate(40ug)

Lane3:The Thymus tissue lysate of Rat(40ug)

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

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