

Anti-Phospho-PKC theta (T538) PRKCQ Antibody

Catalog Number: A01293T538-1

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-Phospho-PKC theta (T538) PRKCQ Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-PKC theta (T538) PRKCQ Antibody catalog # A01293T538-1. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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 PKC theta around the phosphorylation site of T538.
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.
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 1:500-1:2000 IHC 1:100-1:300 ELISA 1:5000

Anti-Phospho-PKC theta (T538) PRKCQ Antibody (A01293T538-1) Images

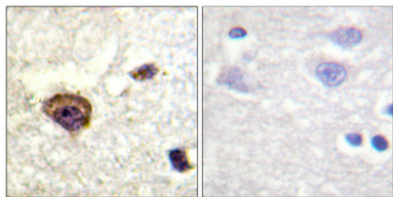


Figure 1. Immunohistochemistry validation of PRKCQ using Anti-Phospho-PKC theta (T538) PRKCQ Antibody (A01293T538-1).

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C)

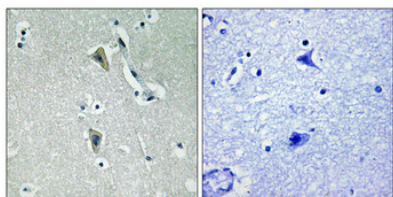


Figure 2. Immunohistochemistry validation of PRKCQ using Anti-Phospho-PKC theta (T538) PRKCQ Antibody (A01293T538-1).

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C)

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