## **PRKCQ** Antibody **Rabbit Polyclonal** Antigen Affinity Purified NP 006248.1 Protein ID Catalog No. A304-233A GenelD 5588 A304-233A-1 Lot No. ABOBA APPLICATIONS WB. IP SPECIES REACTIVITY Human PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Mouse and Rat AMOUNT 100 ul CONCENTRATION 1000 ua/ml STORAGE/SHELF LIFE $2 - 8^{\circ} C / 1$ year from date of receipt PHYSICAL STATE Liquid BUFFER Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide ISOTYPE IgG ORIGIN USA PRODUCTION Antibody was affinity purified using an epitope specific to PRKCQ immobilized on solid support. PROCEDURES The epitope recognized by A304-233A maps to a region between residue 656 to 706 of human Protein Kinase C, Theta using the numbering given in entry NP\_006248.1 (GeneID 5588). Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

## APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2,000 - 1:10,000
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## Immunoprecipitation 2 – 10 µg/mg lysate

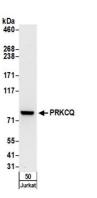
## APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–8% SDS–PAGE (link to IP-western blot protocol in Additional Info section below).

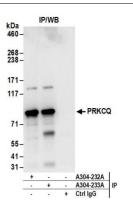
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

ADDITIONAL INFO https://www.bethyl.com/product/A304-233A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol IP WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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Detection of human PRKCQ by western blot. Samples: Whole cell lysate (50  $\mu$ g) from Jurkat cells. Antibodies: Affinity purified rabbit anti-PRKCQ antibody A304-233A (lot A304-233A-1) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 3 minutes. Detection of human PRKCQ by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from Jurkat cells. *Antibodies:* Affinity purified rabbit anti-PRKCQ antibody A304-233A (lot A304-233A-1) used for IP at 6 µg/mg lysate. PRKCQ was also immunoprecipitated by rabbit anti-PRKCQ antibody A304-232A. For blotting immunoprecipitated PRKCQ, A304-233A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.