## Polycystin-2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_000288.1

Catalog No. A302-470A GenelD 5311

Lot No. A302-470A-3

**APPLICATIONS** WB, IP

SPECIES REACTIVITY Human, Mouse

**AMOUNT** 100 μl

CONCENTRATION 1000 μg/ml

**STORAGE/SHELF LIFE** 2 – 8° 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 Polycystin-2 immobilized on solid

**PROCEDURES** support.

The epitope recognized by A302-470A maps to a region between residue 918 and 968 of human

polycystin-2 using the numbering given in entry NP\_000288.1 (GeneID 5311).

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

Immunoprecipitation 2 – 5 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/A302-470A

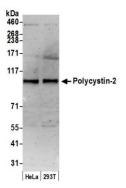
Use the link above to view SDS, a current list of citations, and other product specific information.

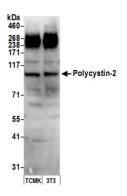
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

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



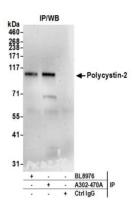




## Detection of human Polycystin-2 by western blot.

Samples: Whole cell lysate (15 μg) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Polycystin-2 antibody A302-470A (lot A302-470A-3) used for WB at 0.1 μg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.

Detection of mouse Polycystin-2 by western blot. Samples: Whole cell lysate (50 μg) from TCMK-1 and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Polycystin-2 antibody A302-470A (lot A302-470A-3) used for WB at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



Detection of human Polycystin-2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Polycystin-2 antibody A302-470A (lot A302-470A-3) used for IP at 3 μg per reaction. Polycystin-2 was also immunoprecipitated by rabbit anti-Polycystin-2 antibody BL8976. For blotting immunoprecipitated Polycystin-2, A302-470A was used at 1 μg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.