PGD Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P52209.3

Catalog No. A305-404A GeneID 5226

Lot No. A305-404A-1

APPLICATIONS WB, IP
SPECIES REACTIVITY Human

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Rat

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 PROCEDURES

Antibody was affinity purified using an epitope specific to PGD immobilized on solid support.

The epitope recognized by A305-404A maps to a region between residue 200 to 250 of human 6-phosphogluconate dehydrogenase, decarboxylating using the numbering given in entry P52209.3 (GeneID 5226).

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 – 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 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

ADDITIONAL INFO https://www.bethyl.com/product/A305-404A

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

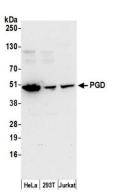
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

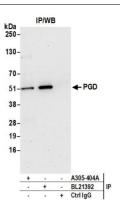
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



PGD Antibody A305-404A





Detection of human PGD by western blot. Samples: Whole cell lysate (50 μg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PGD antibody A305-404A (lot A305-404A-1) used for WB at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

Detection of human PGD by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PGD antibody A305-404A (lot A305-404A-1) used for IP at 6 μg per reaction. PGD was also immunoprecipitated by rabbit anti-PGD antibody BL21392. For blotting immunoprecipitated PGD, A305-404A was used at 1 μg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.