

For Research Use Only

# PGT Recombinant antibody

Catalog Number: 83302-1-RR



## Basic Information

Catalog Number:

83302-1-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5594

GenBank Accession Number:

BC041140

GeneID (NCBI):

6578

UNIPROT ID:

Q92959

Full Name:

solute carrier organic anion transporter family, member 2A1

Calculated MW:

70 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

CloneNo.:

230139F5

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : NIH/3T3 cells, mouse heart tissue

## Background Information

Prostaglandin transporter (PGT), also known as SLCO2A1, has been identified as a functional prostaglandin (PG) carrier that mediates either the release of newly-synthesized PGs by cells and/or the uptake of PGs prior to intracellular oxidation. Northern blot analysis revealed that PGT mRNA has broad tissue distribution, suggesting its role in the transport and/ or metabolic clearance of PG in diverse tissues (PMID: 8787677,22331663).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

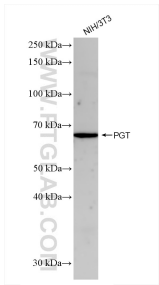
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

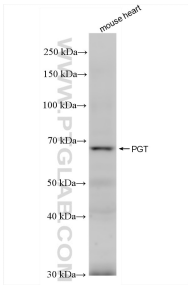
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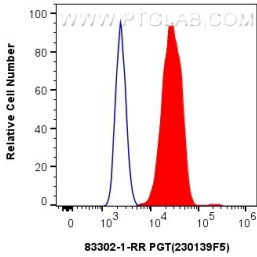
Selected Validation Data



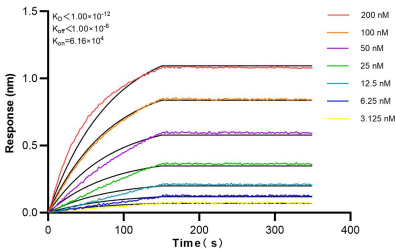
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 83302-1-RR (PGT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



mouse heart tissue were subjected to SDS PAGE followed by western blot with 83302-1-RR (PGT antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug PGT Recombinant antibody (83302-1-RR, Clone:230139F5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83302-1-RR against Human PGT were performed. The affinity constant is below 1 pM.