

For Research Use Only

PGT Recombinant antibody

Catalog Number:83302-1-RR



Basic Information

Catalog Number: 83302-1-RR	GenBank Accession Number: BC041140	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6578	CloneNo.: 230139F5
Source: Rabbit	UNIPROT ID: Q92959	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: solute carrier organic anion transporter family, member 2A1	
Immunogen Catalog Number: AG5594	Calculated MW: 70 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : NIH/3T3 cells, mouse heart tissue
Species Specificity: human, mouse	

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

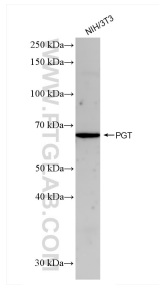
For technical support and original validation data for this product please contact:

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

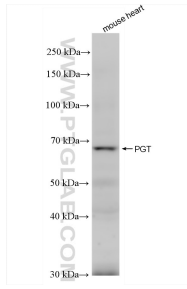
E: proteintech@ptglab.com
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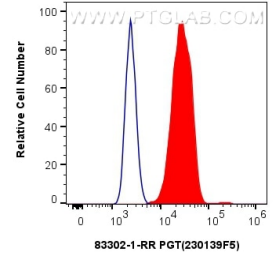
Selected Validation Data



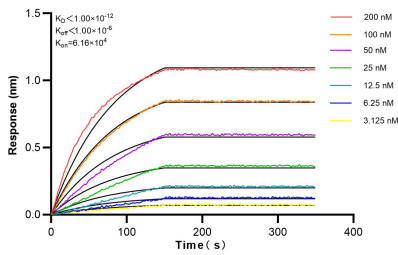
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 83302-1-RR (PGT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug PGT Recombinant antibody (83302-1-RR, Clone:230139F5) and CoraLite@488-Conjugated AffiniPure 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.