

For Research Use Only

# PGT Polyclonal antibody

Catalog Number: 14327-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 14327-1-AP	<b>GenBank Accession Number:</b> BC041140	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 220 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6578	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92959	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier organic anion transporter family, member 2A1	
<b>Immunogen Catalog Number:</b> AG5594	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : NIH/3T3 cells, mouse heart tissue, mouse liver tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse, pig	

## 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 (8787677). This antibody is expected to detect the endogenous PGT protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hui Huang	33000396	Dig Dis Sci	IHC
Zhikun Zhan	34838489	Int Immunopharmacol	WB
Heewon Seo	24695625	Biol Reprod	IHC

## 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:  
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## Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 14327-1-AP (PGT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.