

For Research Use Only

PGT Polyclonal antibody

Catalog Number: 14327-1-AP

3 Publications



Basic Information

Catalog Number:

14327-1-AP

Size:

220 ug/ml

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse, pig

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : mouse heart tissue, NIH/3T3 cells, mouse liver
tissue, rat kidney tissue

IHC : human stomach 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 (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

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

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E: Proteintech-CN@ptglab.com

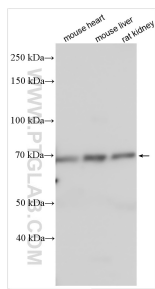
W: ptgcn.com

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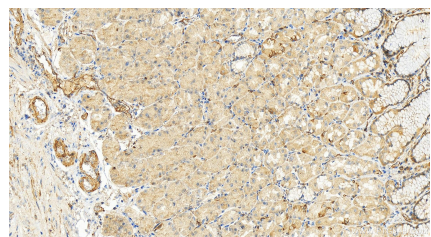
Selected Validation Data



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.



Various lysates were subjected to SDS PAGE followed by western blot with 14327-1-AP (PGT antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 14327-1-AP (PGT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).