

For Research Use Only

PGT Polyclonal antibody

Catalog Number:30434-1-AP



Basic Information

Catalog Number: 30434-1-AP	GenBank Accession Number: BC041140	Purification Method: Antigen affinity purification
Size: 500 ug/ml	GeneID (NCBI): 6578	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q92959	
Isotype: IgG	Full Name: solute carrier organic anion transporter family, member 2A1	
Immunogen Catalog Number: AG32275	Calculated MW: 70 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : NIH/3T3 cells, U-251 cells, mouse heart tissue
Species Specificity: human, mouse	IHC : human stomach cancer tissue,

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

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

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

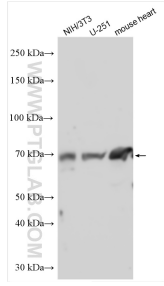
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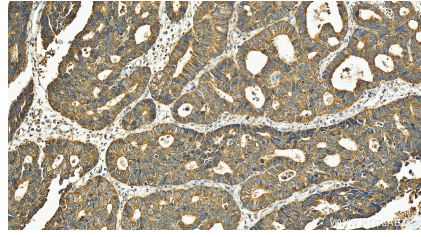
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30434-1-AP (PGT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30434-1-AP (PGT antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).