

For Research Use Only

SLC22A7 Monoclonal antibody, PBS Only



Catalog Number: 67479-1-PBS

Basic Information

Catalog Number: 67479-1-PBS	GenBank Accession Number: BC033805	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10864	CloneNo.: 3D3C3
Source: Mouse	UNIPROT ID: Q9Y694	
Isotype: IgG2a	Full Name: solute carrier family 22 (organic anion transporter), member 7	
Immunogen Catalog Number: AG25234	Calculated MW: 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

Organic anion transporter (OAT)2 (SLC22A7) belongs to the solute carrier group of membrane transport proteins that mediate cellular uptake of numerous organic ions including xenobiotics and endogenous substrates (PMID: 9529348, 20190416). SLC22A7 was originally identified as a novel liver-specific transporter because of its predominant mRNA expression in the rat liver (PMID: 15900017, 25904762). Human SLC22A7 exhibits a robust transport function for a wide array of naturally occurring nucleobases, nucleosides, and nucleotides with a particular role for cGMP (PMID: 18216183).

Storage

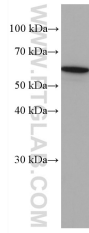
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

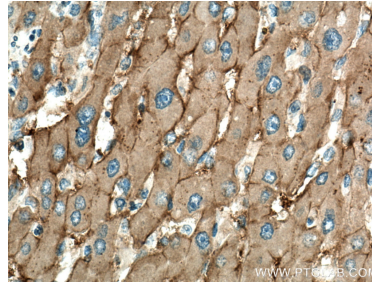
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

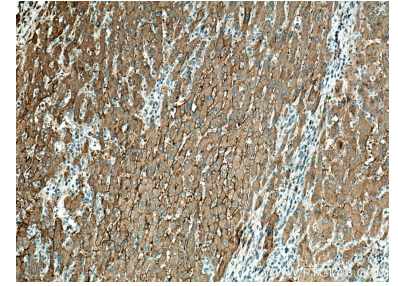
Selected Validation Data



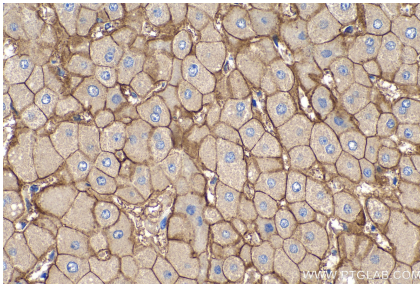
SMMC-7721 cells were subjected to SDS PAGE followed by western blot with 67479-1-Ig (SLC22A7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67479-1-PBS in a different storage buffer formulation.



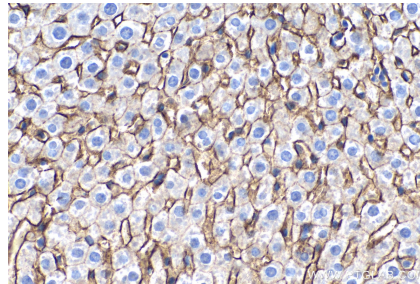
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67479-1-Ig (SLC22A7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67479-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67479-1-Ig (SLC22A7 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67479-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67479-1-Ig (SLC22A7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67479-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67479-1-Ig (SLC22A7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67479-1-PBS in a different storage buffer formulation.