

For Research Use Only

SLC22A7 Monoclonal antibody

Catalog Number: 67479-1-Ig



Basic Information

Catalog Number: 67479-1-Ig	GenBank Accession Number: BC033805	Purification Method: Protein A purification
Size: 150ul , Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10864	CloneNo.: 3D3C3
Source: Mouse	Full Name: solute carrier family 22 (organic anion transporter), member 7	Recommended Dilutions: WB 1:1000-1:3000 IHC 1:1000-1:4000 IF 1:200-1:800
Isotype: IgG2a	Calculated MW: 60 kDa	
Immunogen Catalog Number: AG25234	Observed MW: 60 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, mouse, rat

**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 : SMMC-7721 cells,

IHC : human liver tissue, human liver cancer tissue,
mouse liver tissue

IF : HEK-293 cells,

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 -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

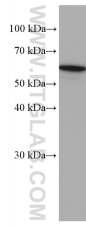
For technical support and original validation data for this product please contact:

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

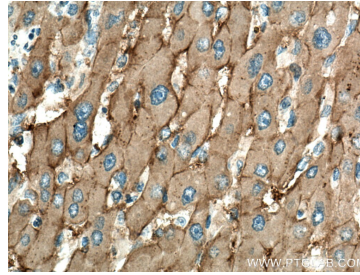
E: proteintech@ptglab.com
W: ptglab.com

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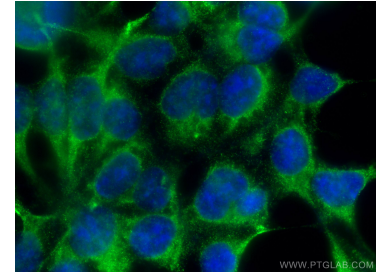
Selected Validation Data



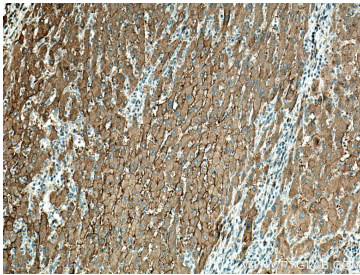
SMMC-7721 cells were subjected to SDS PAGE followed by western blot with 67479-1-Ig (SLC22A7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



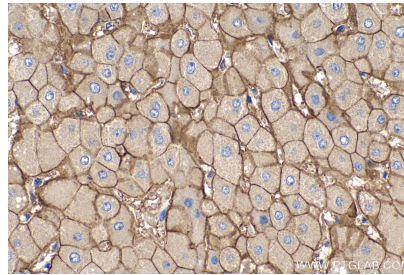
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67479-1-Ig (SLC22A7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



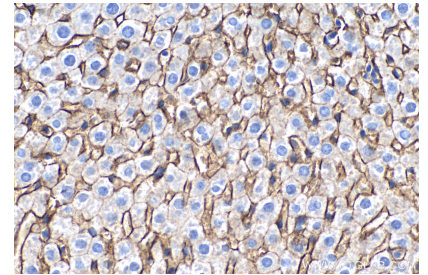
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using SLC22A7 antibody (67479-1-Ig, Clone: 3D3C3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).



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).



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).