

For Research Use Only

# SLC22A7 Monoclonal antibody, PBS Only



Catalog Number: 67479-1-PBS

## Basic Information

Catalog Number:

67479-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG25234

GenBank Accession Number:

BC033805

GeneID (NCBI):

10864

UNIPROT ID:

Q9Y694

Full Name:

solute carrier family 22 (organic anion transporter), member 7

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

3D3C3

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human, mouse, rat

## Background Information

Organic anion transporter (OAT)<sub>2</sub> (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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

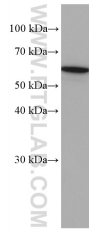
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

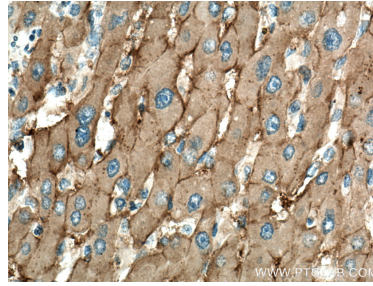
W: [ptgcn.com](http://ptgcn.com)

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

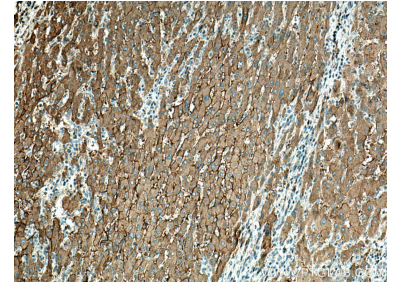
## Selected Validation Data



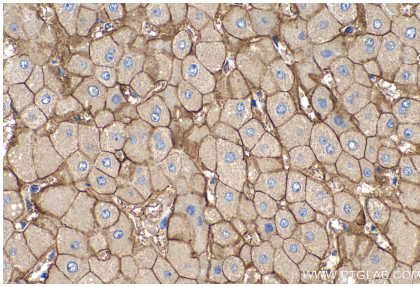
SMMC-7721 cells were subjected to SDS PAGE followed by western blot with 67479-1-Ig (SLC22A7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67479-1-PBS in a different storage buffer formulation.



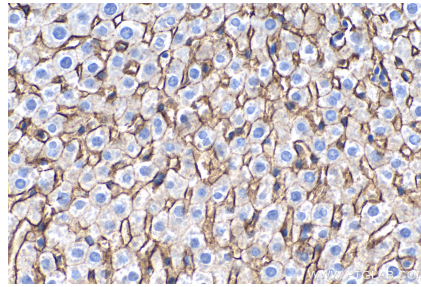
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67479-1-Ig (SLC22A7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67479-1-PBS in a different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