

## SLC28A3 Polyclonal antibody

Catalog Number: 18182-1-AP

## Basic Information

## Catalog Number:

18182-1-AP

## Size:

450 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG12887

## GenBank Accession Number:

BC093821

## GeneID (NCBI):

64078

## UNIPROT ID:

Q9HAS3

## Full Name:

solute carrier family 28 (sodium-coupled nucleoside transporter), member 3

## Calculated MW:

691 aa, 77 kDa

## Observed MW:

70-75 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:400-1:1600

IF/ICC 1:200-1:800

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## Species Specificity:

human, mouse

**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: HL-60 cells, mouse kidney tissue, mouse liver tissue

IHC: human pancreas cancer tissue,

IF/ICC: HepG2 cells,

## Background Information

SLC28A3 (Solute carrier family 28 member 3), also named CNT3, has sodium-dependent, pyrimidine- and purine-selective (PMID: 11032837, PMID: 15861042, PMID: 16446384, PMID: 17140564, PMID: 21998139). It is involved in the homeostasis of endogenous nucleosides (PMID: 11032837, PMID: 15861042). SLC28A3 is able to transport uridine, gemcitabine, 3'-azido-3'-deoxythymidine (AZT), ribavirin and 3-deazauridine (PMID: 21795683, PMID: 11032837, PMID: 17140564). SLC28A3, the human concentrative nucleoside transporter, plays a role in mediating the cellular entry of a broad array of physiological nucleosides and synthetic anticancer nucleoside analog drugs (PMID: 15738947). Variants in SLC28A3 and UGT1A6 act as genetic markers predictive of anthracycline-induced cardiotoxicity (PMID: 23441093).

## 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

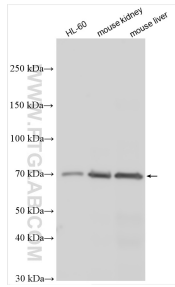
For technical support and original validation data for this product please contact:

T: 4006900926

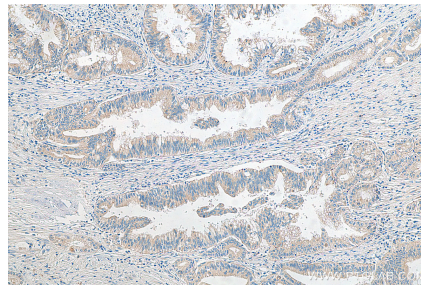
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

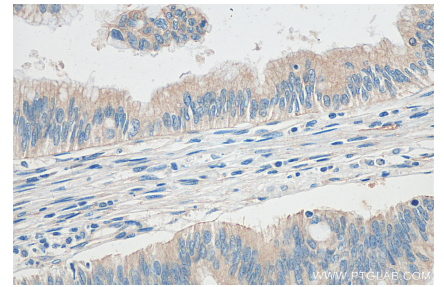
## Selected Validation Data



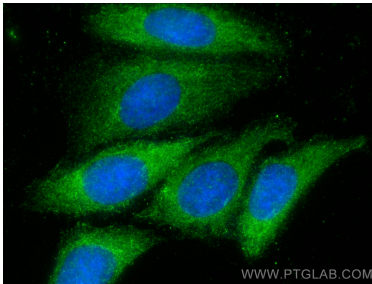
Various lysates were subjected to SDS PAGE followed by western blot with 18182-1-AP (SLC28A3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 18182-1-AP (SLC28A3 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 18182-1-AP (SLC28A3 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using SLC28A3 antibody (18182-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).