

For Research Use Only

SLC22A18 Polyclonal antibody

Catalog Number: 11646-2-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

11646-2-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2245

GenBank Accession Number:

BC015571

GeneID (NCBI):

5002

UNIPROT ID:

Q96BI1

Full Name:

solute carrier family 22, member 18

Calculated MW:

408 aa, 43 kDa

Observed MW:

40-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, COLO 320 cells

IP : mouse brain tissue,

Background Information

SLC22A18 is a member of the family of polyspecific organic-cation transporters that localize at the apical membrane surface of renal proximal tubules. SLC22A18 is expressed at high levels in the kidney, liver, colon and in fetal renal proximal tubules and present at lower levels in heart, brain and lung. Defects in SLC22A18 are associated with breast and lung cancer and are the cause of rhabdomyosarcoma type 1, a malignant tumor derived from striated muscle. More recently, SLC22A18 has been shown to function as a tumor suppressor in glioma and represents a candidate biomarker for long-term survival in this disease.

Notable Publications

Author	Pubmed ID	Journal	Application
Attje S Hoekstra	27402879	Hum Mol Genet	
Bicheng Zhang	25498886	Int J Biol Macromol	WB
He Hongyu H	21144813	Cancer Epidemiol	IHC

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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E: Proteintech-CN@ptglab.com

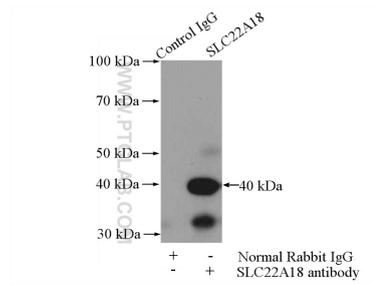
W: ptgcn.com

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

Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11646-2-AP (SLC22A18 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-SLC22A18 (IP:11646-2-AP, 4ug; Detection:11646-2-AP 1:600) with mouse brain tissue lysate 4000ug.