

For Research Use Only

SLC16A2 Polyclonal antibody

Catalog Number: 20676-1-AP **6 Publications**



Basic Information

Catalog Number:

20676-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_006517

GeneID (NCBI):

6567

UNIPROT ID:

P36021

Full Name:

solute carrier family 16, member 2
(monocarboxylic acid transporter 8)

Calculated MW:

60 kDa

Observed MW:

50-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB: mouse kidney tissue, LO2 cells, mouse heart tissue

Background Information

SLC16A2, also named as MCT8 and XPCT, belongs to the major facilitator superfamily and Monocarboxylate porter (TC 2.A.1.13) family. SLC16A2 is a very active and specific thyroid hormone transporter. SLC16A2 stimulates cellular uptake of thyroxine (T4), triiodothyronine (T3), reverse triiodothyronine (rT3) and diiodothyronine. It does not transport Leu, Phe, Trp or Tyr. Defects in SLC16A2 are the cause of monocarboxylate transporter 8 deficiency (MCT8 deficiency). This antibody is specific to SLC16A2.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------------|-----------|-----------------|-------------|
| Evelin Major | 34638630 | Int J Mol Sci | WB |
| Alexandra Schutkowski | 25390336 | PLoS One | WB |
| Xue Zhao | 35222046 | Front Pharmacol | WB |

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:

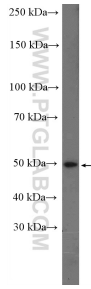
T: 4006900926

E: Proteintech-CN@ptglab.com

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 kidney tissue were subjected to SDS PAGE followed by western blot with 20676-1-AP (SLC16A2 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.