

For Research Use Only

SLC16A12 Polyclonal antibody

Catalog Number: 20553-1-AP **2 Publications**



Basic Information

Catalog Number:

20553-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_213606

GeneID (NCBI):

387700

UNIPROT ID:

Q6ZSM3

Full Name:

solute carrier family 16, member 12
(monocarboxylic acid transporter 12)

Calculated MW:

53 kDa

Observed MW:

53-56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, xenopus

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: mouse kidney tissue,

IHC: human stomach cancer tissue, human kidney tissue, human testis tissue, mouse kidney tissue

Background Information

SLC16A12, also named as MCT12 and CJMG, belongs to the major facilitator superfamily and Monocarboxylate porter (TC 2.A.1.13) family. It is a proton-linked monocarboxylate transporter. SLC16A12 catalyzes the rapid transport across the plasma membrane of many monocarboxylates. The antibody is specific to SLC16A12.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuya Futagi	31784090	Biochem Biophys Res Commun	WB
Jie Mei	31348313	Medicine (Baltimore)	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:

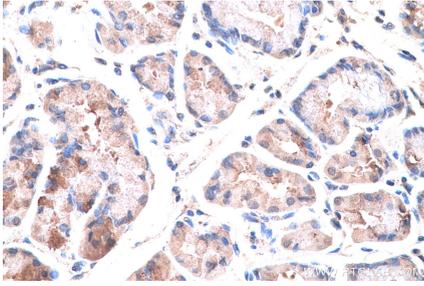
T: 4006900926

E: Proteintech-CN@ptglab.com

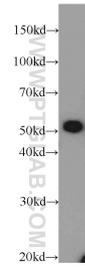
W: ptgcn.com

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

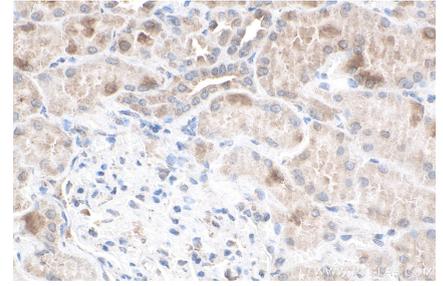
Selected Validation Data



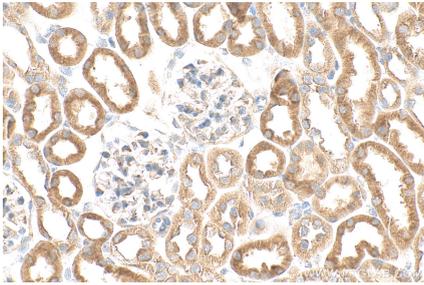
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20553-1-AP (SLC16A12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 20553-1-AP (SLC16A12 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 20553-1-AP (SLC16A12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 20553-1-AP (SLC16A12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).