

For Research Use Only

SLC13A3 Polyclonal antibody, PBS Only

Catalog Number: 26182-1-PBS



Basic Information

Catalog Number:

26182-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24183

GenBank Accession Number:

BC035966

GeneID (NCBI):

64849

UNIPROT ID:

Q8WWT9

Full Name:

solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3

Calculated MW:

602 aa, 67 kDa

Observed MW:

55-60 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Background Information

SLC13A3, also named NADC3 and SDCT2, belongs to the SLC13A/DASS transporter (TC 2.A.47) family and NADC subfamily. SLC13A3 encodes the plasma membrane Na⁺/Dicarboxylate Cotransporter 3 (NaDC3), which imports inside the cell four to six carbon dicarboxylates as well as N-acetylaspartate (NAA). SLC13A3 is mainly expressed in kidney, but also in brain, liver, placenta and eye (PMID: 30635937). This antibody detected the 55-60 kDa band in SDS-PAGE. However, the 55 kDa (nonglycosylated) and 85 kDa (glycosylated) bands have been reported in the article (PMID: 27053689).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

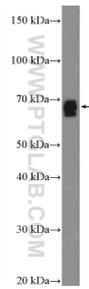
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

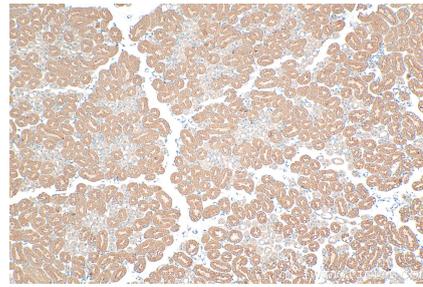
E: proteintech@ptglab.com
W: ptglab.com

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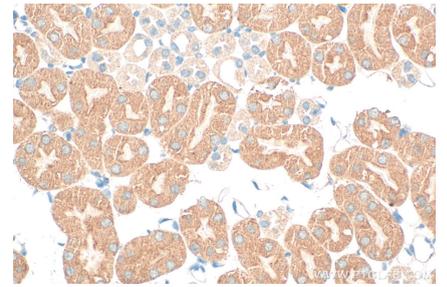
Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 26182-1-AP (SLC13A3 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26182-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26182-1-AP (SLC13A3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26182-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26182-1-AP (SLC13A3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26182-1-PBS in a different storage buffer formulation.