

For Research Use Only

SLC1A4 Polyclonal antibody

Catalog Number: 13067-2-AP

6 Publications



Basic Information

Catalog Number:

13067-2-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3763

GenBank Accession Number:

BC026216

GeneID (NCBI):

6509

UNIPROT ID:

P43007

Full Name:

solute carrier family 1 (glutamate/neutral amino acid transporter), member 4

Calculated MW:

532 aa, 56 kDa

Observed MW:

62-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: Raji cells, mouse brain tissue, human skeletal muscle tissue, SW480 cells, mouse kidney tissue, rat brain tissue

IP: mouse brain tissue,

IHC: mouse kidney tissue, human kidney tissue, mouse brain tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Liu	34496888	Mol Cancer	WB
Xiaozhen Peng	33777811	Front Oncol	WB
Keqiang Li	39456733	Int J Mol Sci	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

*** 20ul sizes contain 0.1% BSA

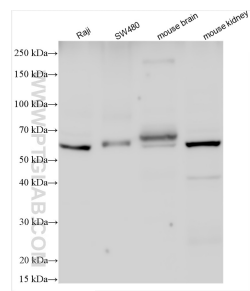
For technical support and original validation data for this product please contact:

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

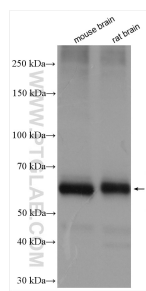
E: proteintech@ptglab.com
W: ptglab.com

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

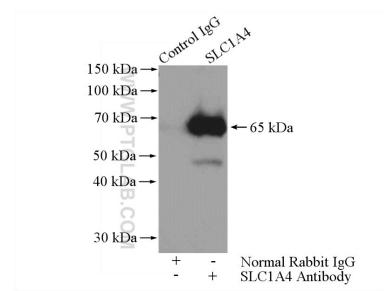
Selected Validation Data



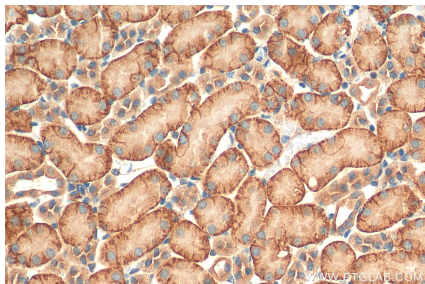
Various lysates were subjected to SDS PAGE followed by western blot with 13067-2-AP (SLC1A4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



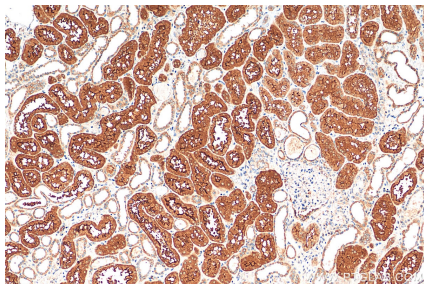
Various lysates were subjected to SDS PAGE followed by western blot with 13067-2-AP (SLC1A4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



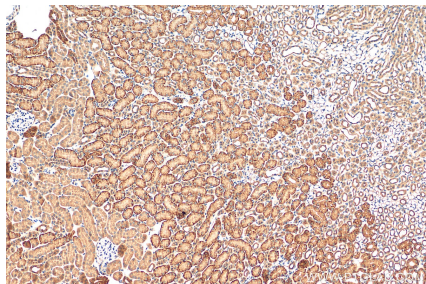
IP result of anti-SLC1A4 (IP:13067-2-AP, 4ug; Detection:13067-2-AP 1:1000) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13067-2-AP (SLC1A4 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13067-2-AP (SLC1A4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13067-2-AP (SLC1A4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).