

For Research Use Only

SNAT2 Polyclonal antibody

Catalog Number: 25928-1-AP



Basic Information

Catalog Number: 25928-1-AP	GenBank Accession Number: BC040342	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 54407	Recommended Dilutions: WB 1:500-1:1000 IHC 1:200-1:800
Source: Rabbit	Full Name: solute carrier family 38, member 2	
Isotype: IgG	Observed MW: 45 kDa, 56 kDa	
Immunogen Catalog Number: AG23082		

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse, rat

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 : 37°C incubated mouse brain tissue,
IHC : mouse pancreas tissue, human cervical cancer tissue, human kidney tissue, rat pancreas tissue, rat kidney tissue

Background Information

SNAT2 (Sodium-dependent neutral amino acid transporter-2), the ubiquitous member of SLC38 family, accounts for the activity of transport system A for neutral amino acids in most mammalian tissues (PMID: 16734764). SNAT2 mediates uptake of neutral α -amino acids and are expressed in central neurons (PMID: 19240036). SNAT2 is expressed in breast cancer cell lines. SLC38A2 also acts as a selective target for inhibiting growth of Gln-dependent breast cancer cell lines (PMID: 33028955).

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

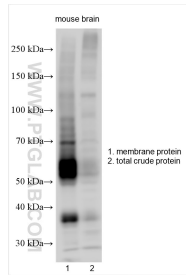
For technical support and original validation data for this product please contact:

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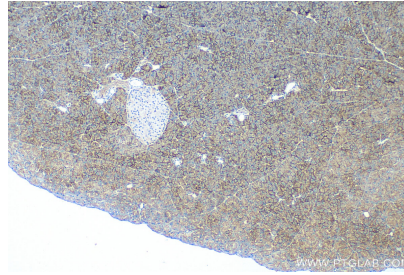
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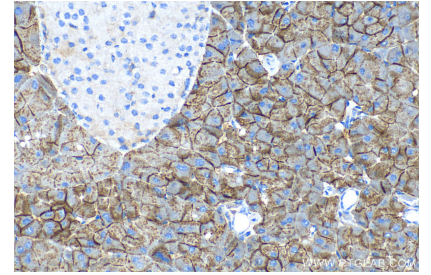
Selected Validation Data



37°C incubated and boiled mouse brain tissues were subjected to SDS PAGE followed by western blot with 25928-1-AP (SNAT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 25928-1-AP (SNAT2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 25928-1-AP (SNAT2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).