

For Research Use Only

# SNAT2 Polyclonal antibody, PBS Only

Catalog Number: 25928-1-PBS



## Basic Information

**Catalog Number:**

25928-1-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG23082

**GenBank Accession Number:**

BC040342

**GeneID (NCBI):**

54407

**UNIPROT ID:**

Q96QD8

**Full Name:**

solute carrier family 38, member 2

**Observed MW:**

45 kDa, 56 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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  $\alpha$ -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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

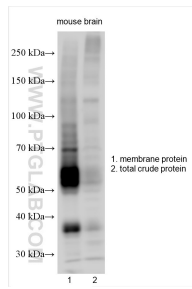
For technical support and original validation data for this product please contact:

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

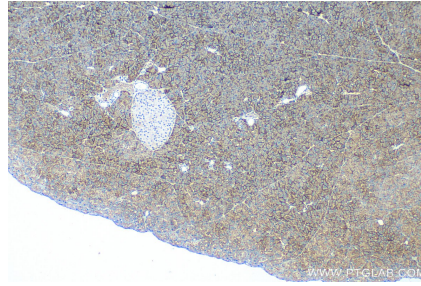
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

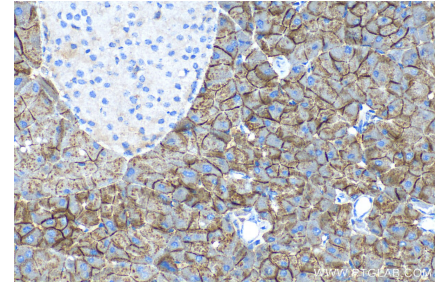
## Selected Validation Data



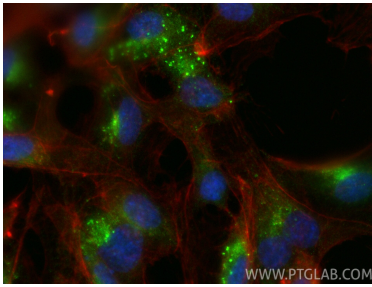
37°C incubated and boiled mouse brain tissues were subjected to SDS PAGE followed by western blot with 25928-1-AP (SNAT2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 25928-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 25928-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 25928-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using SNAT2 antibody (25928-1-AP) at dilution of 1:200 and CoralLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 25928-1-PBS in a different storage buffer formulation.