

For Research Use Only

# SNAT2 Recombinant antibody

Catalog Number: 83968-5-RR



## Basic Information

<b>Catalog Number:</b> 83968-5-RR	<b>GenBank Accession Number:</b> BC040342	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 $\mu$ g/ml	<b>GeneID (NCBI):</b> 54407	<b>CloneNo.:</b> 241059C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96QD8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 38, member 2	
<b>Immunogen Catalog Number:</b> AG23082	<b>Observed MW:</b> 56 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue,
<b>Species Specificity:</b> human, mouse	

## 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 -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:

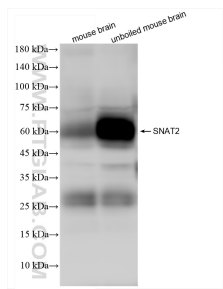
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

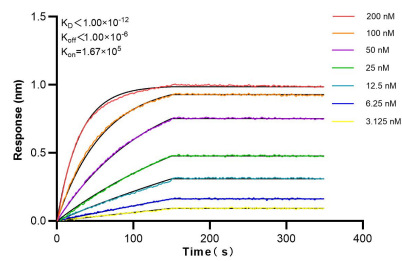
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## Selected Validation Data



Boiled and unboiled mouse brain tissues were subjected to SDS PAGE followed by western blot with 83968-5-RR (SLC38A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83968-5-RR against Human SNAT2 were performed. The affinity constant is below 1 pM.