

For Research Use Only

# SLC38A6 Polyclonal antibody

Catalog Number: 27636-1-AP



## Basic Information

<b>Catalog Number:</b> 27636-1-AP	<b>GenBank Accession Number:</b> BC110378	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 280 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 145389	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> solute carrier family 38, member 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 456 aa, 51 kDa	
<b>Immunogen Catalog Number:</b> AG24654	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : SH-SY5Y cells, IHC : mouse brain tissue,
<b>Species Specificity:</b> Human, Mouse	

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

## Background Information

SLC38A6 is also known as SNAT6 and belongs to the amino acid/polyamine transporter 2 family. SLC38A6 is probably a sodium-dependent amino acid/proton antiporter or a neuronal transporter for glutamate. SLC38A6 has 2 isoforms with the molecular mass of 51 and 58 kDa. The observed molecular weight of SLC38A6 is 43 kDa, which is consistent with the description in the literature of MW between 37 and 50 kDa (PMID: 24752331).

## 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

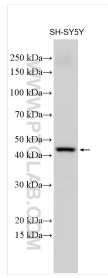
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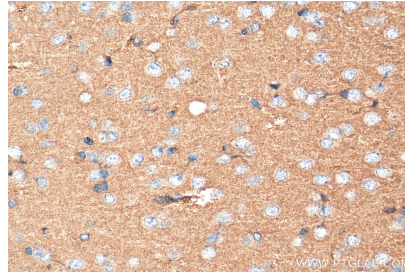
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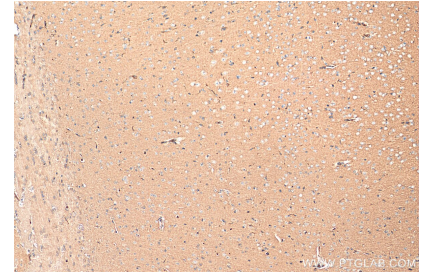
## Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 27636-1-AP (SLC38A6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27636-1-AP (SLC38A6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27636-1-AP (SLC38A6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).