

For Research Use Only

# SLC38A9 Polyclonal antibody

Catalog Number: 21871-1-AP



## Basic Information

<b>Catalog Number:</b> 21871-1-AP	<b>GenBank Accession Number:</b> BC101362	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 153129	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NBW4	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 38, member 9	
<b>Immunogen Catalog Number:</b> AG16174	<b>Calculated MW:</b> 561 aa, 64 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse	<b>WB :</b> mouse pancreas tissue, <b>IF-P :</b> mouse brain tissue,

## Background Information

The mTOR complex 1 (mTORC1) protein kinase is a master growth regulator that responds to multiple environmental cues. The lysosomal amino acid transporter SLC38A9 is a physical and functional component of this sensing complex. SLC38A9 (Solute Carrier Family 38 Member 9) was first identified as a potential amino acid transporter belonging to the slc38 family. SLC38A9 has some isoforms: 64,53,57 kDa.

## Storage

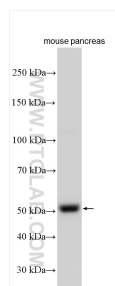
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

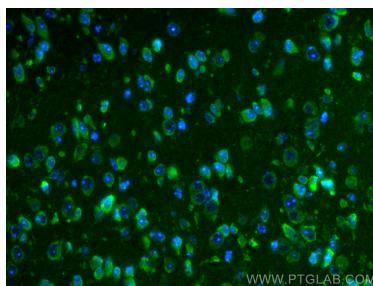
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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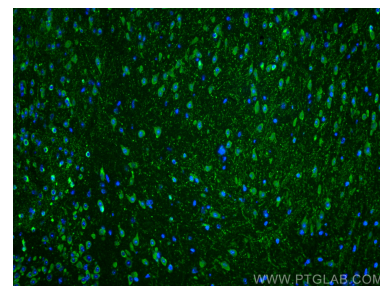
## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 21871-1-AP (SLC38A9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using SLC38A9 antibody (21871-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



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