

For Research Use Only

# SLC17A5 Polyclonal antibody

Catalog Number: 13320-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 13320-1-AP	<b>GenBank Accession Number:</b> BC020961	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 26503	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NRA2	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 17 (anion/sugar transporter), member 5	
<b>Immunogen Catalog Number:</b> AG3855	<b>Calculated MW:</b> 495 aa, 55 kDa	
	<b>Observed MW:</b> 31 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human kidney tissue, HEK-293 cells
<b>Cited Applications:</b> ELISA	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> mouse	

## Background Information

SLC17A5 encodes a transmembrane protein, sialin, which transports free sialic acid across the lysosomal membrane. Mutations in sialin result in neurodegenerative sialic acid storage disorders, Salla disease (SD) and infantile sialic acid storage disease (ISSD). In the central nervous system, sialin is more abundant in neurons than in glia. It has been reported to be localized into lysosome in neuron but in plasma membrane in nonneuronal cells (PMID: 15006695).

## Notable Publications

Author	Pubmed ID	Journal	Application
Tao Zhu	35978996	Evid Based Complement Alternat Med	ELISA

## Storage

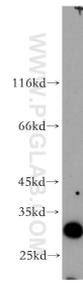
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
W: ptglab.com

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

## Selected Validation Data



human kidney tissue were subjected to SDS PAGE followed by western blot with 13320-1-AP (SLC17A5 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.