

For Research Use Only

# SLC43A1 Polyclonal antibody

Catalog Number: 10444-1-AP



## Basic Information

<b>Catalog Number:</b> 10444-1-AP	<b>GenBank Accession Number:</b> BC001639	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop and 343 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8501	<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 43, member 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 61 kDa	
<b>Immunogen Catalog Number:</b> AG0305	<b>Observed MW:</b> 55-61 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : PC-3 cells, Daudi cells
<b>Species Specificity:</b> human	<b>IHC :</b> human kidney tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SLC43A1, also named as LAT3, PB39 and POV1, belongs to the system L family of plasma membrane carrier proteins that transports large neutral amino acids. It plays a role in the development of human prostate cancer, from prostatic intraepithelial neoplasia to invasive prostate cancer.

## Storage

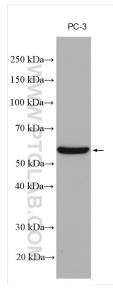
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

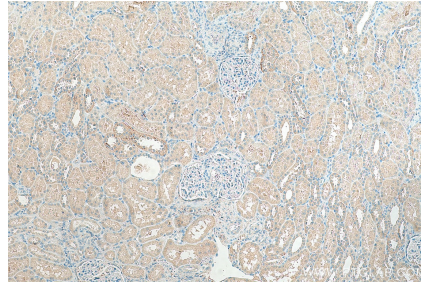
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 10444-1-AP (SLC43A1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10444-1-AP (SLC43A1 antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Various lysates were subjected to SDS PAGE followed by western blot with 10444-1-AP (SLC43A1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.