

For Research Use Only

# SLC27A3 Polyclonal antibody

Catalog Number: 12943-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

12943-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4015

### GenBank Accession Number:

BC029792

### GeneID (NCBI):

11000

### UNIPROT ID:

Q5K4L6

### Full Name:

solute carrier family 27 (fatty acid transporter), member 3

### Calculated MW:

75 kDa

### Observed MW:

70-79 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, pig

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

### Positive Controls:

WB : human testis tissue, mouse testis tissue, MCF-7 cells

IP : mouse testis tissue,

IHC : human skin cancer tissue, human breast cancer tissue, mouse skin tissue

## Background Information

SLC27A3, also named as FATP3, is a member of the solute carrier 27A (SLC27A) gene family which encodes fatty acid transport proteins. SLC27A3 is expressed in human neural stem cells and plays a key role in the developmental stage of the central nervous system. It is associated with autism spectrum disorders (ASD) that caused by impaired early brain development.(PMID: 26548558).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuanli Chen	36436592	Eur J Pharmacol	WB
Yuepeng Zhang	35350787	Front Immunol	WB,IHC
Cholsoo Jang	26950361	Nat Med	WB

## 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

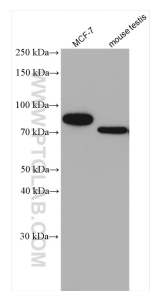
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

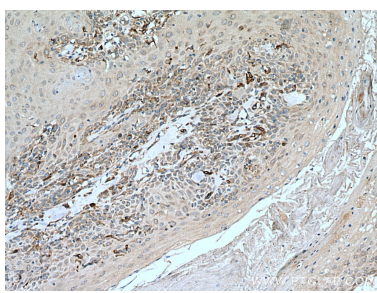
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

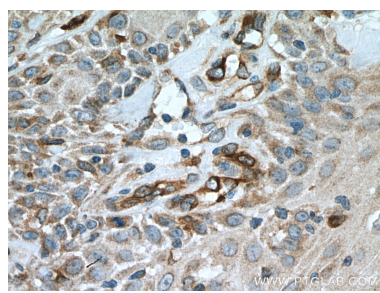
Selected Validation Data



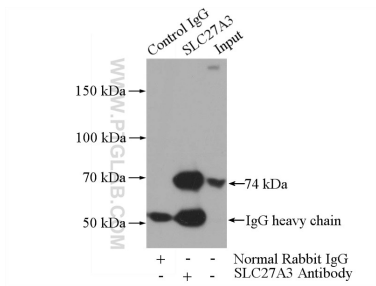
Various lysates were subjected to SDS PAGE followed by western blot with 12943-1-AP (SLC27A3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12943-1-AP (SLC27A3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12943-1-AP (SLC27A3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SLC27A3 (IP:12943-1-AP, 4ug; Detection:12943-1-AP 1:500) with mouse testis tissue lysate 4000ug.