For Research Use Only

SLC27A3 Polyclonal antibody

Catalog Number:12943-1-AP Featured Product 6 Publications

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Basic Information

Catalog Number:
12943-1-AP

Size:
150ul , Concentration: 450 µg/ml by Nanodrop and 233 µg/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
Cholsoon Jang	26950361	Nat Med	WB

Storage

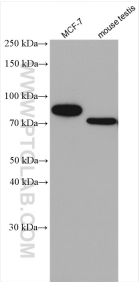
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

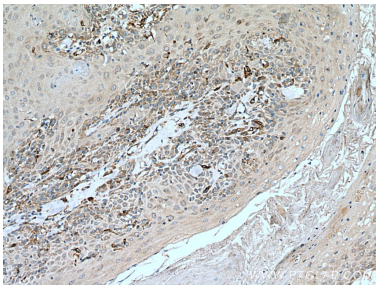
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

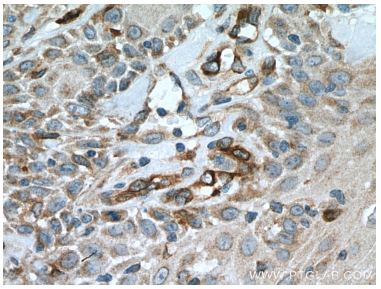
Selected Validation Data



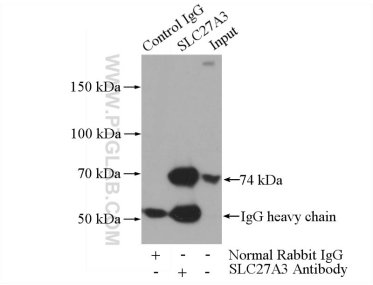
Various lysates were subjected to SDS PAGE followed by western blot with 12943-1-AP (SLC27A3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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.