

For Research Use Only

ST8SIA1 Polyclonal antibody

Catalog Number: 24918-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

24918-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20429

GenBank Accession Number:

BC126162

GeneID (NCBI):

6489

UNIPROT ID:

Q92185

Full Name:

ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1

Calculated MW:

356 aa, 41 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

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 : A431 cells, SH-SY5Y cells, MDA-MB-453s cells, A375 cells, MCF-7 cells

IHC : human skin tissue,

Background Information

ST8SIA1 is a member of the ST family involved in the production of gangliosides. ST8SIA1 is strongly expressed in melanoma cell lines, adult and fetal brain, and to a lesser extent in adult and fetal lung. The abnormal expression of ST8SIA1 has been demonstrated to influence the metastasis of triple-negative breast cancer. (PMID: 34429775)

Notable Publications

Author	Pubmed ID	Journal	Application
Norihiko Sasaki	36313564	Front Cell Dev Biol	WB
Huihui Ren	36267574	Front Physiol	IHC
Romela Irene Ramos	32358995	Mol Oncol	IF

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

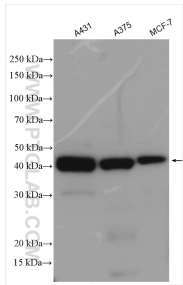
For technical support and original validation data for this product please contact:

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

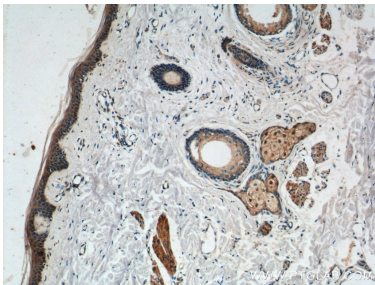
E: proteintech@ptglab.com
W: ptglab.com

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

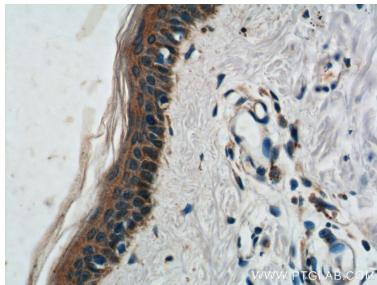
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24918-1-AP (ST8SIA1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 24918-1-AP (ST8SIA1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 24918-1-AP (ST8SIA1 Antibody) at dilution of 1:200 (under 40x lens).