

For Research Use Only

ST8SIA1 Polyclonal antibody

Catalog Number: 24918-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

24918-1-AP

Size:

450 µg/ml

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:

IHC, WB, 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

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

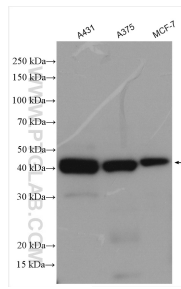
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E: Proteintech-CN@ptglab.com

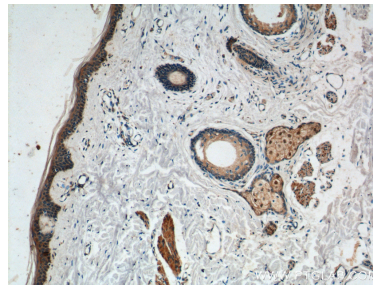
W: ptgcn.com

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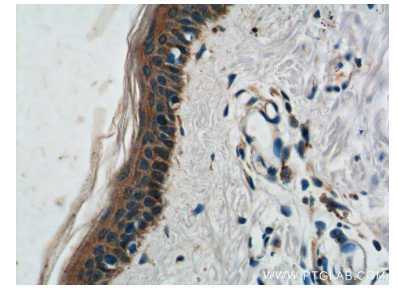
Selected Validation Data



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).