For Research Use Only

ST6GALNAC5 Polyclonal antibody

Catalog Number:16442-1-AP 1 Publications

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Basic Information

Catalog Number:
16442-1-AP

Size:
150ul , Concentration: 530 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9767

GenBank Accession Number:
BC001201

GeneID (NCBI):
81849

UNIPROT ID:
Q9BVH7

Full Name:
ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5

Calculated MW:
38 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC: 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
IHC

Species Specificity:
human, mouse

Cited Species:
human

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:

IHC : human breast cancer tissue, mouse brain tissue

Background Information

ST6GALNAC5 is a member of the sialyltransferase family, specifically a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to glycoproteins and glycolipids. It plays a critical role in the biosynthesis of sialyl-Tn antigen (sTn), a tumor-associated carbohydrate antigen commonly overexpressed in various adenocarcinomas, including breast, gastric, and colorectal cancers. Aberrant expression of ST6GALNAC5 is closely linked to cancer progression, metastasis, and poor clinical prognosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Meiqian Li	37468844	Cancer Cell Int	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
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
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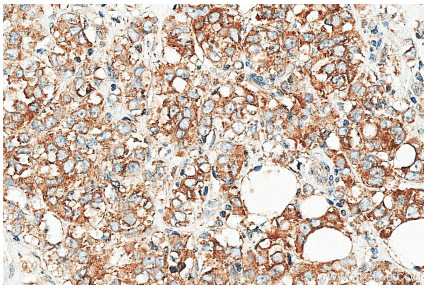
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16442-1-AP (ST6GALNAC5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).