

For Research Use Only

CHST4 Monoclonal antibody

Catalog Number: 66623-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number:

66623-1-Ig

Size:

150ul, Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3987

GenBank Accession Number:

BC035282

GeneID (NCBI):

10164

UNIPROT ID:

Q8NCG5

Full Name:

carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4

Calculated MW:

370 aa, 43 kDa

Observed MW:

48 kDa

Purification Method:

Protein G purification

CloneNo.:

1E1A4

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

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: HT-29 cells, T-47D cells, MCF-7 cells, COLO 320 cells

IHC: human lung cancer tissue,

IF/ICC: HeLa cells,

Background Information

CHST4, also named as HEC GlcNAc6ST and GlcNAc6ST 2, is one of a major GlcNAc-6-O-sulfotransferases involved in synthesizing the L-selectin ligands mediating lymphocyte homing. CHST4 is associated with the expression of MECA-79 epitope on HEV. It has been reported that the transcripts of CHST4 can be detected in lymph node, liver, pancreas and high endothelial venules (HEVs) but at a low level in HUVECs. Besides, CHST4 is expressed at a high level in gastric and colorectal cancer patients compared with normal mucosa. (PMID:30093410, 27748735, 10330415)

Notable Publications

Author	Pubmed ID	Journal	Application
Longshan Zhang	33178582	Front Oncol	WB, IHC
Bo Hu	33741523	Genomics Proteomics Bioinformatics	IHC
Yansong Liu	39213175	J Leukoc Biol	IHC

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

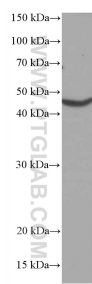
For technical support and original validation data for this product please contact:

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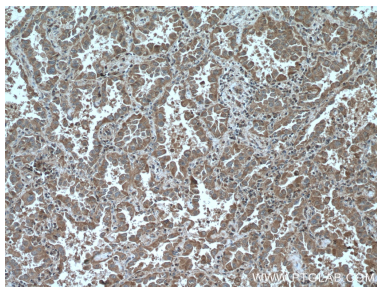
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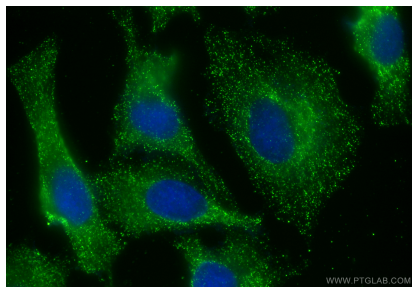
Selected Validation Data



HT-29 cells were subjected to SDS PAGE followed by western blot with 66623-1-Ig (CHST4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66623-1-Ig (CHST4 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CHST4 antibody (66623-1-Ig, Clone: 1E1A4) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).