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CHST2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19294b

Specification

CHST2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y4C5
Other Accession	Q80WV3, NP_004258.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**57857**
Antigen Region	**493-522**

CHST2 Antibody (C-term) - Additional Information

Gene ID 9435

Other Names
Carbohydrate sulfotransferase 2, 282-, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2, GST-2, N-acetylglucosamine 6-O-sulfotransferase 1, GlcNAc6ST-1, Gn6ST-1, CHST2, GN6ST

Target/Specificity
This CHST2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 493-522 amino acids from the C-terminal region of human CHST2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CHST2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CHST2 Antibody (C-term) - Protein Information

Name CHST2

Synonyms GN6ST

Function Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues within keratan-like structures on N-linked glycans and within mucin-associated glycans that can ultimately serve as SELL ligands. SELL ligands are present in high endothelial cells (HEVs) and play a central role in lymphocyte homing at sites of inflammation. Participates in biosynthesis of the SELL ligand sialyl 6-sulfo Lewis X and in lymphocyte homing to Peyer patches. Has no activity toward O-linked sugars. Its substrate specificity may be influenced by its subcellular location. Sulfates GlcNAc residues at terminal, non-reducing ends of oligosaccharide chains.

Cellular Location
Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein

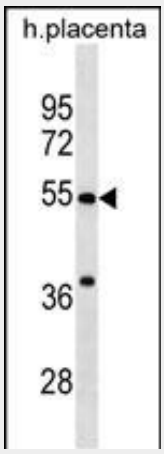
Tissue Location
Widely expressed. Highly expressed in bone marrow, peripheral blood leukocytes, spleen, brain, spinal cord, ovary and placenta. Expressed by high endothelial cells (HEVs) and leukocytes

CHST2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHST2 Antibody (C-term) - Images



CHST2 Antibody (C-term)(Cat. #AP19294b) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the CHST2 antibody detected the CHST2 protein (arrow).

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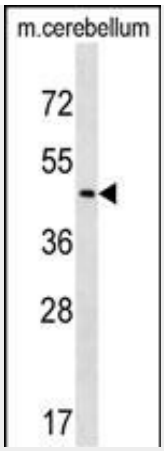

CHST2 Antibody (C-term) (Cat. #AP19294b) western blot analysis in mouse cerebellum tissue lysates (35ug/lane).This demonstrates the CHST2 antibody detected the CHST2 protein (arrow).

CHST2 Antibody (C-term) - Background

N-acetylglucosamine-6-O-sulfotransferases, such as CHST2, catalyze the transfer of sulfate from 3-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS) to position 6 of a nonreducing N-acetylglucosamine (GlcNAc) residue (Uchimura et al., 1998 [PubMed 9722682]).

CHST2 Antibody (C-term) - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009)
Desko, M.M., et al. Glycobiology 19(10):1068-1077(2009)
Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)
Kanoh, A., et al. Glycoconj. J. 23 (5-6), 453-460 (2006) :