

Rabbit anti-Human CHST2 Polyclonal Antibody | anti-CHST2 antibody

CHST2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324556	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

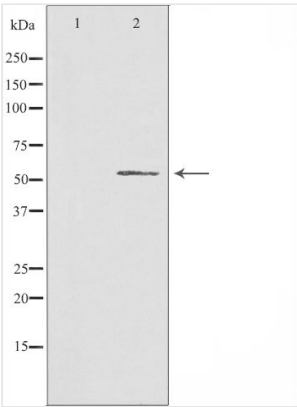
PRODUCT SYNONYMS

CHST2; Polyclonal Antibody; CHST2 Antibody; AI428561; AW121776; C130041E03Rik; C6ST; Carbohydrate (chondroitin 6/keratan) sulfotransferase 2; Carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2; Carbohydrate sulfotransferase 2; CHST2_HUMAN; Chts2; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 2; GlcNAc6ST; GlcNAc6ST-1; Gn6st; Gn6st-1; GST 2; GST-2; GST2; N-acetylglucosamine 6-O-sulfotransferase 1; N-acetylglucosamine 6-O-sulfotransferase; anti-CHST2 antibody

PRODUCT SPECIFICATIONS

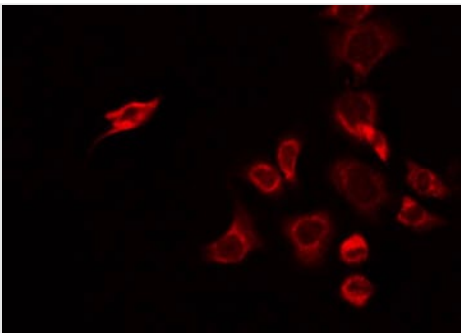
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CHST2 antibody detects endogenous levels of total CHST2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	530
Applicable Applications for anti-CHST2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus > Trans-Golgi Network Membrane.
Tissue Specificity	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.
Predicted Cross Reactivity	Bovine, Dog
Similarity	Bovine (80%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using CHST2 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324556 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHST2 antibody

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. Subunit Structure: Homodimer; disulfide-linked. Homodimerization is not essential for enzyme activity. Post-translational Modifications: Glycosylation at Asn-475 is required for catalytic activity. Similarity: Belongs to the sulfotransferase 1 family. Gal/GlcNAc/GalNAc subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27369497
NCBI GeneID	9435
NCBI Accession #	NP_004258.2
NCBI GenBank Nucleotide #	NM_004267.4
UniProt Accession #	Q9Y4C5; Q2M370; Q9GZN5; Q9UED5; Q9Y6F2; D3DNG5
Molecular Weight	Observed: 58 kD Predicted: 58 kDa
NCBI Official Full Name	carbohydrate sulfotransferase 2
NCBI Official Synonym Full Names	carbohydrate sulfotransferase 2
NCBI Official Symbol	CHST2
NCBI Official Synonym Symbols	C6ST; GST2; GST-2; Gn6ST-1; HEL-S-75; glcNAc6ST-1
NCBI Protein Information	carbohydrate sulfotransferase 2
UniProt Protein Name	Carbohydrate sulfotransferase 2
UniProt Gene Name	CHST2
UniProt Synonym Gene Names	GN6ST; GST-2; GlcNAc6ST-1; Gn6ST-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/chst2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324556>