

Rabbit CHST1 Polyclonal Antibody | anti-CHST1 antibody

CHST1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324553	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

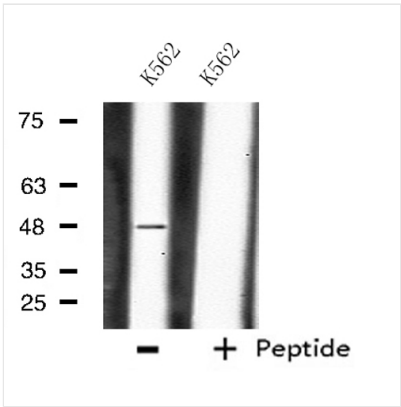
PRODUCT SYNONYMS

CHST1; Polyclonal Antibody; CHST1 Antibody; Carbohydrate chondroitin 6 keratan sulfotransferase 1; Carbohydrate chondroitin 6 keratan sulfotransferase; Carbohydrate keratan sulfate Gal 6 sulfotransferase; Carbohydrate keratan sulfate Gal 6 sulfotransferase 1; Carbohydrate sulfotransferase 1; Chst1; CHST1_HUMAN; EC 2.8.2.21; Galactose N acetylglucosamine N acetylglucosamine 6 O sulfotransferase 1; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 1; GST 1; GST-1; Keratan sulfate Gal 6 sulfotransferase; Keratan sulfate Gal-6 sulfotransferase; KS6ST; KSGal6ST; KSST; anti-CHST1 antibody

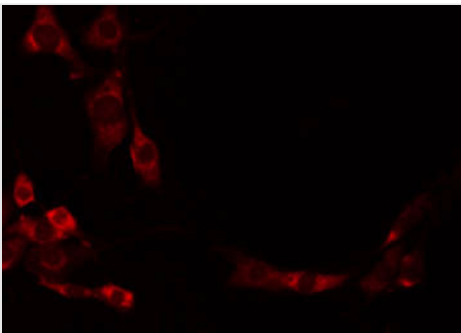
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHST1 antibody detects endogenous levels of total CHST1
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	411
Applicable Applications for anti-CHST1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus Membrane.
Tissue Specificity	Widely expressed at low level. Expressed in brain and skeletal muscle. Expressed by high endothelial cells (HEVs) and leukocytes.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Sheep (92%), Rabbit (91%), 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 K562 cells, using CHST1 antibody.



IF (Immunofluorescence)
AAA324553 staining Hela 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-CHST1 antibody	Function: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the transfer of sulfate to position 6 of galactose (Gal) residues of keratan. Has a preference for sulfating keratan sulfate, but it also transfers sulfate to the unsulfated polymer. The sulfotransferase activity on sialyl LacNAc structures is much higher than the corresponding desialylated substrate, and only internal Gal residues are sulfated. May function in the sulfation of sialyl N-acetyllactosamine oligosaccharide chains attached to glycoproteins. Participates in biosynthesis of selectin ligands. Selectin ligands are present in high endothelial cells (HEVs) and play a central role in lymphocyte homing at sites of inflammation. Similarity: Belongs to the sulfotransferase 1 family. Gal/GlcNAc/GalNAc subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502841
NCBI GeneID	8534
NCBI Accession #	NP_003645.1
NCBI GenBank Nucleotide #	NM_003654.5
UniProt Accession #	O43916; D3DQP2
Molecular Weight	Observed: 47 kD Predicted: 47 kDa
NCBI Official Full Name	carbohydrate sulfotransferase 1
NCBI Official Synonym Full Names	carbohydrate sulfotransferase 1
NCBI Official Symbol	CHST1
NCBI Official Synonym Symbols	C6ST; KSST; GST-1; KS6ST; KSGal6ST
NCBI Protein Information	carbohydrate sulfotransferase 1
UniProt Protein Name	Carbohydrate sulfotransferase 1
UniProt Gene Name	CHST1
UniProt Synonym Gene Names	GST-1; KS6ST; KSGal6ST; KSST

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.

