

Rabbit CHST10 Polyclonal Antibody | anti-CHST10 antibody

CHST10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324554	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

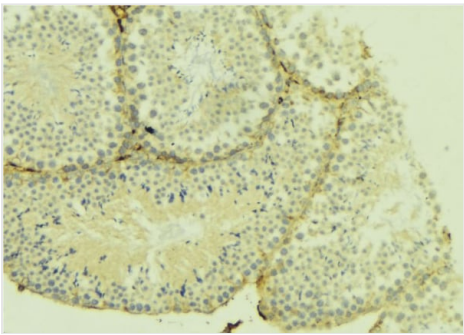
PRODUCT SYNONYMS

CHST10; Polyclonal Antibody; CHST10 Antibody; Carbohydrate sulfotransferase 10; CHSTA_HUMAN; EC 2.8.2.-; HNK-1 sulfotransferase; HNK-1ST; HNK1ST; huHNK-1ST; MGC17148; OTTHUMP00000203188; anti-CHST10 antibody

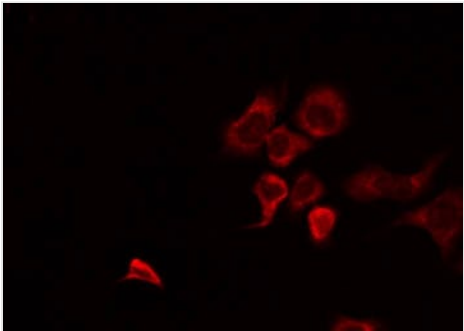
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHST10 antibody detects endogenous levels of total CHST10
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	356
Applicable Applications for anti-CHST10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus Membrane.
Tissue Specificity	In fetal tissues, it is predominantly expressed in brain, and weakly expressed in lung, kidney and liver. In adult, it is highly expressed in brain, testis, ovary, expressed at intermediate level in heart, pancreas, skeletal muscle, spleen and thymus, and weakly expressed in other tissues. In brain, it is expressed at higher level in the frontal lobe.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

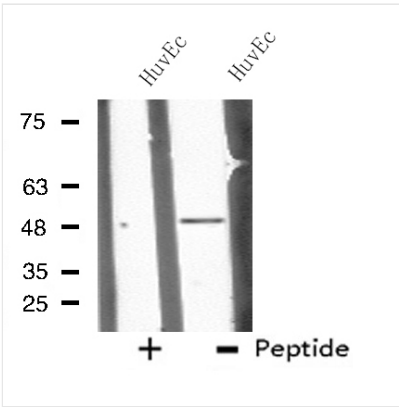
IMAGES



IHC (Immunohistochemistry)
AAA324554 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA324554 staining HuvEc 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.



WB (Western Blot)
Western blot analysis of extracts from HuvEc cells, using CHST10 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHST10 antibody	Function: Catalyzes the transfer of sulfate to position 3 of terminal glucuronic acid of both protein-and lipid-linked oligosaccharides. Participates in biosynthesis of HNK-1 carbohydrate structure, a sulfated glucuronyl-lactosaminyl residue carried by many neural recognition molecules, which is involved in cell interactions during ontogenetic development and in synaptic plasticity in the adult. May be indirectly involved in synapse plasticity of the hippocampus, via its role in HNK-1 biosynthesis. Similarity: Belongs to the sulfotransferase 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758540
NCBI GeneID	9486
NCBI Accession #	NP_004845.1
NCBI GenBank Nucleotide #	NM_004854.4
UniProt Accession #	O43529; Q53T18
Molecular Weight	Observed: 48 kD Predicted: 43 kDa
NCBI Official Full Name	carbohydrate sulfotransferase 10
NCBI Official Synonym Full Names	carbohydrate sulfotransferase 10

NCBI Official Symbol	CHST10
NCBI Official Synonym Symbols	HNK1ST; HNK-1ST
NCBI Protein Information	carbohydrate sulfotransferase 10
UniProt Protein Name	Carbohydrate sulfotransferase 10
UniProt Gene Name	CHST10
UniProt Synonym Gene Names	HNK-1ST; HNK1ST; HuHNK-1ST

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://stage.aaabiotech.com/polyclonal/chst10-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324554>