

DATASHEET

CHST5 Rabbit Polyclonal Antibody

CAT. NO. APA15306

KEY FEATURES

Target	CHST5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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 and O-linked sugars of mucin-type acceptors as sulfonate donor to catalyze the transfer of sulfate to position 6 of non-reducing N-acetylglucosamine (GlcNAc) residues and O-linked sugars of mucin-type acceptors . Acts on the non-reducing terminal GlcNAc of short carbohydrate substrates (in vitro) . Preferentially add sulfate onto core 2- based O-glycan structures, but does not act on extended core 1 structures (in vitro) . Involved in sulfation of endothelial mucins such as GLYCAM1 . Has no activity toward keratan . Not involved in generating HEV-expressed ligands for SELL .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

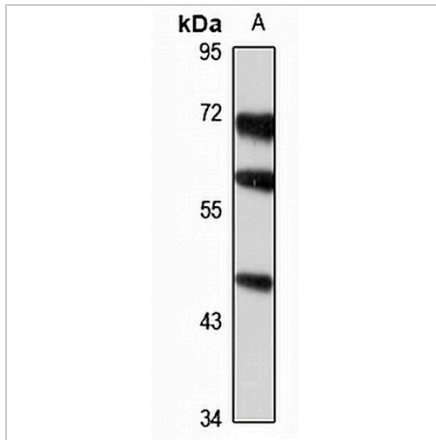
Description	Rabbit polyclonal antibody to CHST5
Specificity	Recognizes endogenous levels of CHST5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CHST5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 46 kD; Observed: 46 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Carbohydrate sulfotransferase 5; Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-alpha; GST4-alpha; Intestinal N-acetylglucosamine-6-O-sulfotransferase; I-GlcNAc6ST; Intestinal GlcNAc-6-sulfotransferase; hIGn6ST; N-acetylglucosamine 6-O-sulfotransferase 3; GlcNAc6ST-3; Gn6st-3
Gene Symbol	CHST5
Entrez Gene	23563(Human); 56773(Mouse)
SwissProt	Q9GZS9(Human); Q9QUP4(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of CHST5 expression in HT29 (A) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 46 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.