



Anti-CHST14 monoclonal antibody (DCABH-11017)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	D4ST1 catalyzes the 4-O-sulfation of N-acetylgalactosamine (GalNAc) residues in dermatan sulfate, a stereoisomeric form of chondroitin sulfate that contains varying proportions of iduronic acid in place of glucuronic acid (Mikami et al., 2003 [PubMed 12847091]).
Immunogen	A synthetic peptide of human CHST14 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CHST14 carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 14 [Homo sapiens]
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Official Symbol	CHST14
Synonyms	CHST14; carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 14; D4ST1, dermatan 4 sulfotransferase 1; carbohydrate sulfotransferase 14; D4ST 1; HD4ST; dermatan 4 sulfotransferase 1; ATCS; D4ST1; HNK1ST;
Entrez Gene ID	113189
Protein Refseq	NP_569735
UniProt ID	Q8NCH0
Chromosome Location	15q15.1
Pathway	Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; dermatan sulfate biosynthesis, organism-specific biosystem; dermatan sulfate biosynthesis, conserved biosystem; dermatan sulfate biosynthesis (late stages), organism-specific biosystem; dermatan sulfate biosynthesis (late stages), conserved biosystem; metapathway biotransformation, organism-specific biosystem;
Function	N-acetylgalactosamine 4-O-sulfotransferase activity; phosphate ion binding; transferase activity;