



# Anti-CHST14 monoclonal antibody (DCABH-11017)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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]).
<b>Immunogen</b>	A synthetic peptide of human CHST14 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Size</b>	1 ea
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CHST14 carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 14 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CHST14
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">113189</a>
<b>Protein Refseq</b>	<a href="#">NP_569735</a>
<b>UniProt ID</b>	<a href="#">Q8NCH0</a>

<b>Chromosome Location</b>	15q15.1
<b>Pathway</b>	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;
<b>Function</b>	N-acetylgalactosamine 4-O-sulfotransferase activity; phosphate ion binding; transferase activity;