

# CHST14 rabbit monoclonal antibody

Catalog # H00113189-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human CHST14 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human CHST14 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human CHST14 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — CHST14

Entrez GeneID	<a href="#">113189</a>
GeneBank Accession#	<a href="#">CHST14</a>
Gene Name	CHST14
Gene Alias	D4ST-1, D4ST1, HD4ST, HNK1ST
Gene Description	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 14
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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]).[supplied by OMIM]
Other Designations	dermatan 4 sulfotransferase 1 dermatan-4-sulfotransferase-1

## Pathway

- [Chondroitin sulfate biosynthesis](#)