



# Mouse anti-Human CHST11 monoclonal antibody, clone 5G2 (CABT-B9968)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	CHST11 (NP_060883, 230 a.a. ~ 338 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	5G2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,sELISA,ELISA
<b>Sequence Similarities</b>	RKGDDVKFEEFVAYLIDPHTQREEPFNEHWQTVYSLCHPCHIHVDLVGKYETLEEDSNYV LQLAGVGSYLKFPTYAKSTRTTDEMTTEFFQNISSEHQTQLYEYKLD*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of the N-
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acetylgalactosamine (GalNAc) residue of chondroitin. Chondroitin sulfate constitutes the predominant proteoglycan present in cartilage, and is distributed on the surfaces of many cells and extracellular matrices. A chromosomal translocation involving this gene and IgH, t(12;14)(q23;q32), has been reported in a patient with B-cell chronic lymphocytic leukemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

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**Keywords**

CHST11; carbohydrate (chondroitin 4) sulfotransferase 11; C4ST; C4ST1; C4ST-1; HSA269537; carbohydrate sulfotransferase 11; C4S-1; IgH/CHST11 fusion; chondroitin 4-O-sulfotransferase 1;

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## GENE INFORMATION

**Entrez Gene ID**

[50515](#)

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**UniProt ID**

[Q9NPF2](#)

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**Pathway**

Endochondral Ossification, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; Sulfur metabolism, organism-specific biosystem; Sulfur metabolism, conserved biosystem

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**Function**

N-acetylgalactosamine 4-O-sulfotransferase activity; chondroitin 4-sulfotransferase activity; transferase activity

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