

## CHST15 Polyclonal antibody

Catalog Number: 14131-1-AP

## Basic Information

<b>Catalog Number:</b> 14131-1-AP	<b>GenBank Accession Number:</b> BC027908	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51363	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7LFX5	
<b>Isotype:</b> IgG	<b>Full Name:</b> carbohydrate (N-acetylgalactosamine 4-sulfate 6-O) sulfotransferase 15	
<b>Immunogen Catalog Number:</b> AG5258	<b>Calculated MW:</b> 65 kDa	
	<b>Observed MW:</b> 55-58 kDa, 65-69 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

Carbohydrate sulfotransferase 15, also known as CHST15, BRAG, GALNAC4S6ST and KIAA0598, is a single-pass type II membrane protein which belongs to the sulfotransferase 1 family. CHST15 is a sulfotransferase that transfers sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the C-6 hydroxyl group of the GalNAc 4-sulfate residue of chondroitin sulfate A and forms chondroitin sulfate E containing GlcA-GalNAc(4,6-SO<sub>4</sub>) repeating units. It also transfers sulfate to a unique non-reducing terminal sequence, GalNAc(4SO<sub>4</sub>)-GlcA(2SO<sub>4</sub>)-GalNAc(6SO<sub>4</sub>), to yield a highly sulfated structure similar to the structure found in thrombomodulin chondroitin sulfate. CHST15 may also act as a B-cell receptor involved in BCR ligation-mediated early activation that mediate regulatory signals key to B-cell development and / or regulation of B-cell-specific RAG expression. CHST15 is expressed in B-cell-enriched tissues but not in fetal or adult thymus. It is expressed in fetal and adult spleen, lymph node, tonsil, bone marrow and peripheral leukocytes. It can be detected as 49 kDa and 69 kDa.

## Storage

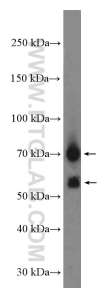
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 14131-1-AP (CHST15 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.