



## **CHSTE Monoclonal Antibody**

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Applications  WB  Gene Name  CHST14 D4ST1 UNQ1925/PRO4400  Protein Name  Carbohydrate sulfotransferase 14 (EC 2.8.2.35) (Dermatan 4-sulfotransferase 1) (D4ST-1) (InD4ST1)  Immunogen  Synthesized peptide derived from part region of human protein  Specificity  CHSTE Monoclonal Antibody detects endogenous levels of protein.  Formulation  Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source  Monoclonal, Mouse, IgG  Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Observed Band  41kD  Cell Pathway  Golgi apparatus membrane ; Single-pass type II membrane protein .  Tissue Specificity  Widely expressed. Expressed at high level in pituitary gland, placenta, uterus and thyroid.  Function  function: Catalyzes the transfer of sulfate to position 4 of the N-acetylgalactosamine (GaiNAc) residue of dermatan sulfate. Transfers sulfate to the C-4 hydroxyl of beta 1,4-linked GailNAc that is substituted with an alpha-linked iduronic acid (IdoUA) at the C-3 hydroxyl. Transfers sulfate more efficiently to GaiNAc residue of orpartially desulfated dermatan sulfate. Addition of sulfate to GaiNAc may occur immediately after epimerization of GicUA to IdoUA, similarity:Belongs to the sulfotransferase 2 family, tissue specificity. Widely expressed. Expressed at high level in pituitary purified from partially desulfated dermatan sulfate. Addition of sulfate to GaiNAc may occur immediately after epimerization of GicUA to IdoUA, similarity:Belongs to the sulfotransferase 2 family, tissue specificity. Widely expressed. Expressed at high level in pituitary	Catalog No	BYmab-05423
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Gene Name CHST14 D4ST1 UNQ1925/PRO4400  Protein Name Carbohydrate sulfotransferase 14 (EC 2.8.2.35) (Dermatan 4-sulfotransferase 1) (D4ST-1) (hD4ST1)  Immunogen Synthesized peptide derived from part region of human protein  Specificity CHSTE Monoclonal Antibody detects endogenous levels of protein.  Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band 41kD  Cell Pathway Golgi apparatus membrane; Single-pass type II membrane protein .  Widely expressed. Expressed at high level in pituitary gland, placenta, uterus and thyroid.  Function function: Catalyzes the transfer of sulfate to position 4 of the N-acetylogalactosamine (GalNAc) residue of dermatan sulfate. Transfers sulfate to the C-4 hydroxyl of beta 1,4-linked GalNAc that is substituted with an alpha-linked iduronic acid (IdoUA) at the C-3 hydroxyl. Transfers sulfate more efficiently to GalNAc-GidUA-sequences. Has preference for partially desulfated dermatan sulfate. Addition of sulfate to GalNAc may occur immediately after epimerization of GicUA to IdoUA, similarity. Belongs to the sulfotransferase 2 familly, tissue specificity: Widely expressed. Expressed at high level in pituitary	Reactivity	Human;Mouse
Protein Name Carbohydrate sulfotransferase 14 (EC 2.8.2.35) (Dermatan 4-sulfotransferase 1) (D4ST-1) (hD4ST1)  Immunogen Synthesized peptide derived from part region of human protein  Specificity CHSTE Monoclonal Antibody detects endogenous levels of protein.  Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band 41kD  Cell Pathway Golgi apparatus membrane ; Single-pass type II membrane protein .  Tissue Specificity Widely expressed. Expressed at high level in pituitary gland, placenta, uterus and thyroid.  Function function: Catalyzes the transfer of sulfate to position 4 of the N-acetylogalactosamine (GalNAc) residue of dermatan sulfate. Transfers sulfate to the C-4 hydroxyl of beta 1.4-linked GalNAc that is substituted with an alpha-linked iduronic acid (IdoUA) at the C-3 hydroxyl. Transfers sulfate more efficiently to GalNAc residues in -IdoUA-GalNAc-IdoUA- than in -GicUA-GalNAc-GicUA-sequences. Has preference for partially desulfated dermatan sulfate. Addition of Sulfate to GalNAc may occur immediately after epimerization of GlcUA to IdoUA, similarity:Belongs to the sulfotransferase 2 family, tissue specificity:Widely expressed. Expressed at high level in pituitary	Applications	WB
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Nanjing BYabscience technology Co.,Ltd



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Background	This gene encodes a member of the HNK-1 family of sulfotransferases. The encoded protein transfers sulfate to the C-4 hydroxyl of N-acetylgalactosamine residues in dermatan sulfate. Mutations in this gene have been associated with adducted thumb-clubfoot syndrome.[provided by RefSeq, Mar 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images** Western Blot analysis of various cells using CHSTE 1 Monoclonal Antibody kDa 180 ---140 ---100 ---75 --60 --45 --CHSTE 35 --25 ---15 --10 --

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