



CHST6, CT (CHST6, Carbohydrate sulfotransferase 6, Corneal N-acetylglucosamine-6-O-sulfotransferase, Galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-beta, N-acetylglucosamine 6-O-sulfotransferase 5) (Biotin)

Catalog number

033886-Biotin

Supplier

United States Biological

The protein encoded by this gene is an enzyme that catalyzes the transfer of a sulfate group to the GlcNAc residues of keratan. Keratan sulfate helps maintain corneal transparency. Defects in this gene are a cause of macular corneal dystrophy (MCD).

Applications

Suitable for use in Western Blot, Immunohistochemistry, ELISA

Recommended Dilution

ELISA: 1:1,000

Western Blot: 1:100-500

Immunohistochemistry: 1:10-50

Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Note

Applications are based on unconjugated antibody.

Immunogen

CHST6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-333 amino acids from the C-terminal region of human CHST6.

Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.

Purity

Purified by Protein A affinity chromatography.

Specificity

Human

**Product Type**

Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

E IHC WB

Crossreactivity

Hu

Storage

-20°C

Detection Method

Biotin

Reference

Liu, Z., et al. Cornea 29(8):883-888(2010)
Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010)
Dang, X., et al. Mol. Vis. 15, 700-705 (2009) :
Birgani, S.A., et al. Mol. Vis. 15, 373-377 (2009) :
Sultana, A., et al. Mol. Vis. 15, 319-325 (2009) :