



PRODUCT DATA SHEET

Bioworld Technology, Inc.

B3GNT7 polyclonal antibody

Catalog: BS35212

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7: N-acetyl glucosamine (GlcNAc) transferase that catalyzes the transfer of GlcNAc via a beta1->3 linkage from UDP-GlcNAc to the non-reducing terminal galactose (Gal) in the linearly growing chain of N- and O-linked keratan sulfate proteoglycans. Cooperates with B4GALT4 galactosyltransferase and CHST6 and CHST1 sulfotransferases to construct and elongate mono- and disulfated disaccharide units [->3Galbeta1->4(6-sulfoGlcNAcbeta)1->] and [->3(6-sulfoGalbeta)1->4(6-sulfoGlcNAcbeta)1->] within keratan sulfate polymer . Involved in biosynthesis of N-linked keratan sulfate proteoglycans in cornea, with an impact on proteoglycan fibril organization and corneal transparency (By similarity) . May play a role in the maintenance of tissue architecture by suppressing cellular motility and invasion (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~46.0 kDa

Swiss-Prot:

Q8NFL0

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of B3GNT7 protein

DATA:

Western blot analysis of Na⁺/K⁺-ATPase beta1 expression in mouse brain (A), rat brain (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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