



PRODUCT DATA SHEET

Bioworld Technology, Inc.

GAL3ST3 polyclonal antibody

Catalog: BS33876

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Galactose-3-O-sulfotransferase 3: Catalyzes the transfer of a sulfate group from 3'-phosphoadenylyl sulfate (PAPS) to the C-3 hydroxyl group of terminal non-reducing beta-1,4-linked galactose residues in both N-glycans and O-glycans. It acts efficiently on type 2 chains (Gal-beta-1,4-GlcNAc-R) found in N-glycans and core 2-branched O-glycans (Gal-beta-1,4-GlcNAc-beta-1,6(Gal-beta-1,3)GalNAc-R). In contrast, it shows poor activity on type 1 chains (Gal-beta-1,3-GlcNAc-R) and intermediate activity on core 1 structures (Gal-beta-1,3-GalNAc-R). Participates in the glycoconjugates sulfation namely the 3'-sulfated Lewis X epitope (Gal-beta-1,4(Fuc-alpha-1,3)GlcNAc), by sulfating N-acetyllactosamine (Gal-beta-1,4-GlcNAc) at the 3' position; then the resulting modification is fucosylated by FUT5

Product:

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

Molecular Weight:

~49.0 kDa

Swiss-Prot:

Q96A11

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 GAL3ST3 protein

DATA:

Western blot analysis of NEFL expression in Jurkat (A), NIH3T3 (B) whole cell lysates.

Immunohistochemical analysis of NEFL staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

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