

Human/Mouse β -1,4-Glucuronyltransferase 1/B4GAT1 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6664

DESCRIPTION

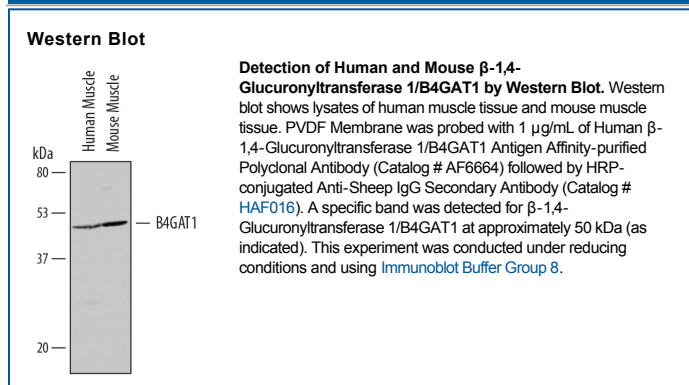
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse β -1,4-Glucuronyltransferase 1/B4GAT1 in Western blot. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) B4GALT1 and rhB3GNT 2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human β -1,4-Glucuronyltransferase 1/B4GAT1 Asp43-Cys415 Accession # O43505
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

B3GNT1 (β -1,3-N-acetylglucosaminyltransferase 1; also iGnT) is a 50 kD member of the β 3GnT family of enzymes. It is synthesized by sensory neurons, endothelial cells and skeletal muscle. In the trans-Golgi, it collaborates with B4GALT1 to generate a linear poly-N-acetylglucosamine sequence that can be incorporated into either N-linked or O-linked glycans. Human B3GNT1 is a 451 amino acid (aa) type II transmembrane protein. It contains an eight aa N-terminal cytoplasmic segment, an extended 28 aa transmembrane region (aa 9-36), and a 379 aa luminal domain (aa 37-415). Over aa 37-415, human B3GNT1 shares 97% aa identity with mouse B3GNT1.