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# B3GAT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10471c

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q9NPZ5 |
| **Other Accession** | Q9Z137, P59270, NP_542780.1 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB23599 |
| **Calculated MW** | 36919 |
| **Antigen Region** | 123-150 |

## Additional Information

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| **Gene ID** | 135152 |
| **Other Names** | Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 2, Beta-1, 3-glucuronyltransferase 2, GlcAT-D, UDP-glucuronosyltransferase S, GlcAT-S, Glucuronosyltransferase S, B3GAT2, GLCATS, KIAA1963 |
| **Target/Specificity** | This B3GAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-150 amino acids from the Central region of human B3GAT2. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | B3GAT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | B3GAT2 |
| **Synonyms** | GLCATS, KIAA1963 |

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| **Function** | Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on both glycolipids and glycoproteins. |
| **Cellular Location** | Golgi apparatus membrane; Single-pass type II membrane protein |
| **Tissue Location** | Expressed in the trachea, retina, spinal cord, hippocampus and other brain regions, and, at lower levels, in testis and ovary |

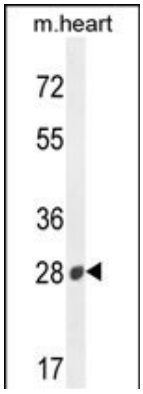
## Background

The product of this gene is a transmembrane protein belonging to the glucuronyltransferase family, and catalyzes the transfer of a beta-1,3 linked glucuronic acid to a terminal galactose in different glycoproteins or glycolipids containing a Gal-beta-1-4GlcNAc or Gal-beta-1-3GlcNAc residue. The encoded protein is involved in the synthesis of the human natural killer-1 (HNK-1) carbohydrate epitope, a sulfated trisaccharide implicated in cellular migration and adhesion in the nervous system. [provided by RefSeq].

## References


Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Shiba, T., et al. Proteins 65(2):499-508(2006)
Kakuda, S., et al. Glycobiology 15(2):203-210(2005)
Kakuda, S., et al. Protein Expr. Purif. 35(1):111-119(2004)


## Images




B3GAT2 Antibody (Center) (Cat. #AP10471c) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the B3GAT2 antibody detected the B3GAT2 protein (arrow).