

Datasheet for ABIN651558  
**anti-B4GALT5 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	B4GALT5
Binding Specificity:	AA 324-350, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALT5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This B4GALT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 324-350 amino acids from the C-terminal region of human B4GALT5.
Clone:	RB25986
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	B4GALT5
Alternative Name:	B4GALT5 ( <a href="#">B4GALT5 Products</a> )
Background:	This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type

## Target Details

II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose, all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The function of the enzyme encoded by this gene is not clear. This gene was previously designated as B4GALT4 but was renamed to B4GALT5. In the literature it is also referred to as beta4GalT2. [provided by RefSeq].

Molecular Weight: 45119

Gene ID: 9334

NCBI Accession: [NP\\_004767](#)

UniProt: [O43286](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Application Notes: WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

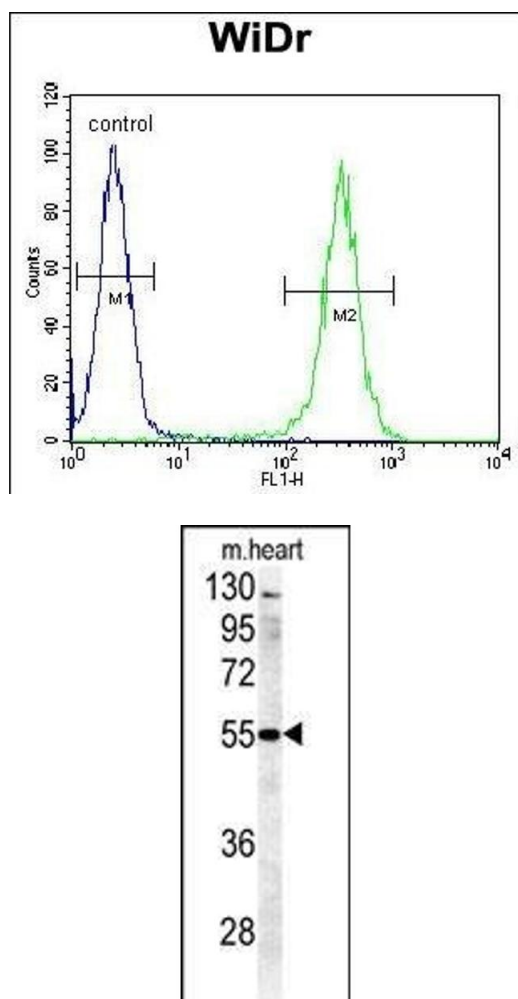
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



### Flow Cytometry

**Image 1.** B4GALT5 Antibody (C-term) (ABIN651558 and ABIN2840299) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** B4GALT5 Antibody (C-term) (ABIN651558 and ABIN2840299) western blot analysis in mouse heart tissue lysates (35  $\mu$ g/lane). This demonstrates the B4GALT5 antibody detected B4GALT5 protein (arrow).