# **Elabscience**®

# **B4GALT3 Polyclonal Antibody**

#### catalog number: E-AB-91818

Note: Centrifuge before opening to ensure complete recovery of vial contents.

1:500-1:2000

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human B4GALT3
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution

WB

#### Data



Western blot analysis of extracts of various cell lines using

B4GALT3 Polyclonal Antibody at 1:1000 dilution.

## Observed-MW:44 kDa Calculated-MW:15 kDa/43 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the
	temperature recommended.

#### Background

This gene is one of seven beta-1,4-galactosyltransferase (beta4GaIT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta 1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GaIT 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 beta4GaITs form four groups: beta4GaIT1 and beta4GaIT2, beta4GaIT3 and beta4GaIT4, beta4GaIT5 and beta4GaIT6, and beta4GaIT7. This gene encodes an enzyme that may be mainly involved in the synthesis of the first N-acetyllactosamine unit of poly-N-acetyllactosamine chains. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2010]

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