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## anti-B4GALT4 antibody (AA 91-117)



### Image



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| Overview             |  |
|----------------------|--|
| Quantity:            | 400 μL   |
| Target:              | B4GALT4  |
| Binding Specificity: | AA 91-117  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This B4GALT4 antibody is un-conjugated   |
| Application:         | Western Blotting (WB)  |
| Product Details      |  |
| Immunogen:           | This B4GALT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-117 amino acids from the Central region of human B4GALT4. |
| Clone:               | RB38581  |
| Isotype:             | lg Fraction  |
| Purification:        | This antibody is purified through a protein A column, followed by peptide affinity purification.   |
| Target Details       |  |
| Target:              | B4GALT4  |
| Alternative Name:    | B4GALT4 (B4GALT4 Products)   |
| Background:          | This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) 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 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 enzyme encoded by this gene appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene.

Molecular Weight: 40041

Gene ID: 8702

NCBI Accession: NP\_003769, NP\_997708

UniProt: 060513

Pathways: Glycosaminoglycan Metabolic Process

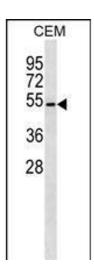
#### **Application Details**

Application Notes: WB: 1:1000

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:   | B4GALT4 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.     |
| Expiry Date:       | 6 months   |



#### **Western Blotting**

**Image 1.** B4GALT4 Antibody (Center) (ABIN1538685 and ABIN2850018) western blot analysis in CEM cell line lysates (35  $\mu$ g/lane).This demonstrates the B4GALT4 antibody detected the B4GALT4 protein (arrow).