Datasheet for ABIN2782129

# anti-B4GALNT1 antibody (N-Term)

1 Image

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## Overview

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| Quantity: | 100 µL |
| Target: | B4GALNT1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Pig, Rabbit, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This B4GALNT1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human B4GALNT1 |
| Sequence: | APWAPPQSPR RPELPDLAPE PRYAHIPVRI KEQVVGLLAW NNCSCESSGG |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against B4GALNT1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | B4GALNT1 |

## Target Details

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| Alternative Name: | B4GALNT1 (B4GALNT1 Products) |
| Background: | GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. B4GALNT1(GalNAc-T) catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.<br>Alias Symbols: GALGT, GALNACT<br>Protein Interaction Partner: UBC, B4GALNT1,<br>Protein Size: 533 |
| Molecular Weight: | 59 kDa |
| Gene ID: | 2583 |
| NCBI Accession: | NM_001478, NP_001469 |
| UniProt: | Q00973 |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 533 AA |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |

## Handling

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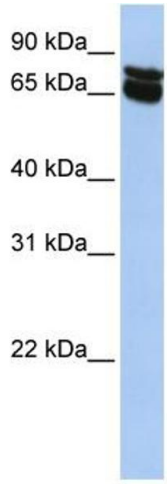
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-B4GALNT1 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate