



[Go to Product page](#)

Datasheet for ABIN6942203

## anti-B4GALNT1 antibody (AA 451-533) (AbBy Fluor® 594)

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | B4GALNT1   |
| Binding Specificity: | AA 451-533   |
| Reactivity:          | Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This B4GALNT1 antibody is conjugated to AbBy Fluor® 594  |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human B4GALNT1/GM2 synthase |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Mouse   |
| Predicted Reactivity: | Human,Rat,Dog,Cow,Sheep,Horse,Rabbit                                      |
| Purification:         | Purified by Protein A.  |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | B4GALNT1  |
| Alternative Name: | B4GALNT1/GM2 synthase ( <a href="#">B4GALNT1 Products</a> ) |

## Target Details

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**Background:** Synonyms: (N acetylneuraminy) galactosylglucosylceramide, (N-acetylneuraminy)-galactosylglucosylceramide, 4 N-acetylgalactosaminyltransferase 1, 4933429D13Rik, B4GALNT1, B4GN1\_HUMAN, Beta 1 4 N acetyl galactosaminyl transferase 1, Beta 1 4 N acetylgalactosaminyltransferase 1, Beta-1, BETA-1,4-N-ACETYL GALACTOSAMINYLTRANSFERASE 1, BETA-1,4-N-ACETYL GALACTOSAMINYLTRANSFERASE, Beta1 4GalNAc T, Gal-NAc-T, GALGT, Galgt1, GalNAc T, GalNAc-T, GALNACT, GD2 synthase, Ggm-2, Ggm2, GM2 synthase, GM2/GD2 synthase, SIAT 2, SIAT2, UDP Gal:betaGlcNAc beta 1 4 N acetylgalactosaminyltransferase transferase 1, UDP N acetyl alpha D galactosamine:(N acetylneuraminy).

**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. 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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]

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**Gene ID:** 2583

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**UniProt:** [Q00973](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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

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**Storage:** -20 °C

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## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months