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Datasheet for ABIN6942204

## anti-B4GALNT1 antibody (AA 451-533) (Alexa Fluor 647)

### Overview

Quantity:	100 µL
Target:	B4GALNT1
Binding Specificity:	AA 451-533
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This B4GALNT1 antibody is conjugated to Alexa Fluor 647
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