

Anti-B4GALT5 Antibody
Rabbit polyclonal antibody to B4GALT5
Catalog # AP59777**Specification**

Anti-B4GALT5 Antibody - Product Information

Application	WB
Primary Accession	O43286
Other Accession	O9JMK0
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45119

Anti-B4GALT5 Antibody - Additional Information**Gene ID** 9334**Other Names**

Beta-1, 4-galactosyltransferase 5; Beta-1, 4-GalTase 5; Beta4Gal-T5; b4Gal-T5; Beta-1, 4-GalT II; UDP-Gal:beta-GlcNAc beta-1, 4-galactosyltransferase 5; UDP-galactose:beta-N-acetylglucosamine beta-1, 4-galactosyltransferase 5

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human B4GALT5. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-B4GALT5 Antibody - Protein Information**Name** B4GALT5 ([HGNC:928](#))**Function**

Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer) (PubMed:24498430). LacCer is the starting point in the biosynthesis of all gangliosides (membrane-bound glycosphingolipids) which play pivotal roles in the CNS including neuronal maturation and axonal and myelin formation (By similarity). Plays a role in the glycosylation of BMPR1A and regulation of its protein stability (By

similarity). Essential for extraembryonic development during early embryogenesis (By similarity).

Cellular Location

Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:P15291}; Single-pass type II membrane protein Golgi apparatus {ECO:0000250|UniProtKB:A0A1S6M251}. Note=Trans cisternae of Golgi stack. {ECO:0000250|UniProtKB:P15291}

Tissue Location

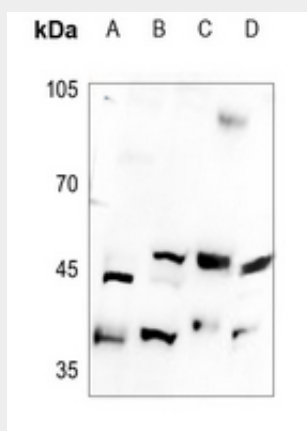
Ubiquitously expressed.

Anti-B4GALT5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-B4GALT5 Antibody - Images



Western blot analysis of B4GALT5 expression in K562 (A), A549 (B), mouse heart (C), rat brain (D) whole cell lysates.

Anti-B4GALT5 Antibody - Background

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