

B4galt5 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12691**Specification**

B4galt5 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9JMK0
Other Accession	NM_019835 , NP_062809
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa kDa

B4galt5 antibody - C-terminal region - Additional Information**Gene ID** 56336**Alias Symbol** 9430078I07Rik, AW049941, AW539721**Other Names**

Beta-1, 4-galactosyltransferase 5, Beta-1, 4-GalTase 5, Beta4Gal-T5, b4Gal-T5, 2.4.1.-, Beta-1, 4-GalT II, UDP-Gal:beta-GlcNAc beta-1, 4-galactosyltransferase 5, UDP-galactose:beta-N-acetylglucosamine beta-1, 4-galactosyltransferase 5, B4galt5, Bgt-5

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-B4galt5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

B4galt5 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

B4galt5 antibody - C-terminal region - Protein Information**Name** B4galt5 {ECO:0000312|MGI:MGI:1927169}**Synonyms** Bgt-5**Function**

Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer) (PubMed:21057870, PubMed:21057870).

href="http://www.uniprot.org/citations/23882130" target="_blank">23882130, PubMed:30114188). 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 (PubMed:30114188). Plays a role in the glycosylation of BMPR1A and regulation of its protein stability (PubMed:29415997). Essential for extraembryonic development during early embryogenesis (PubMed:20574042, PubMed:21057870).

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

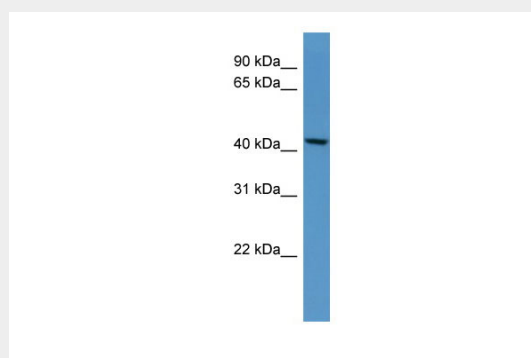
Highest levels in heart, brain, liver and kidney with lower levels in spleen, lung and testis

B4galt5 antibody - C-terminal region - 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](#)

B4galt5 antibody - C-terminal region - Images



WB Suggested Anti-B4galt5 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Mouse Kidney