

B4GALT6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58010

Specification

B4GALT6 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW IHC-P <u>O9UBX8</u> Rat, Pig, Dog, Bovine Rabbit Polyclonal 44914

B4GALT6 Polyclonal Antibody - Additional Information

Gene ID 9331

Other Names

Beta-1, 4-galactosyltransferase 6, Beta-1, 4-GalTase 6, Beta4Gal-T6, b4Gal-T6, 2.4.1.-, Glucosylceramide beta-1, 4-galactosyltransferase, 2.4.1.274, Lactosylceramide synthase, LacCer synthase, UDP-Gal:beta-GlcNAc beta-1, 4-galactosyltransferase 6, UDP-Gal:glucosylceramide beta-1, 4-galactosyltransferase, UDP-galactose:beta-N-acetylglucosamine beta-1, 4-galactosyltransferase 6, B4GALT6 (HGNC:929)

Format 0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

B4GALT6 Polyclonal Antibody - Protein Information

Name B4GALT6 (HGNC:929)

Function

Catalyzes the synthesis of lactosylceramide (LacCer) via the transfer of galactose from UDP-galactose to glucosylceramide (GlcCer) (PubMed:1551920, PubMed:24498430, PubMed:3099851). 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).

Cellular Location



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

Tissue Location

High expression in brain and adrenal gland, lower in liver, lung, colon and peripheral white blood cells

B4GALT6 Polyclonal 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 Cytomety
- <u>Cell Culture</u>

B4GALT6 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (B4GALT6) Polyclonal Antibody, Unconjugated (bs-23824R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.





Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (B4GALT6) Polyclonal Antibody, Unconjugated (bs-23824R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.