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β-1,4-Gal-T5 Polyclonal Antibody
Catalog # AP73193

Specification

β-1,4-Gal-T5 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	O43286
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

β-1,4-Gal-T5 Polyclonal Antibody - Additional Information

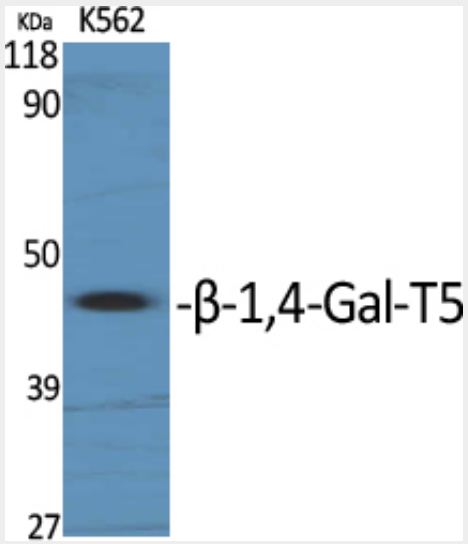
Gene ID 9334

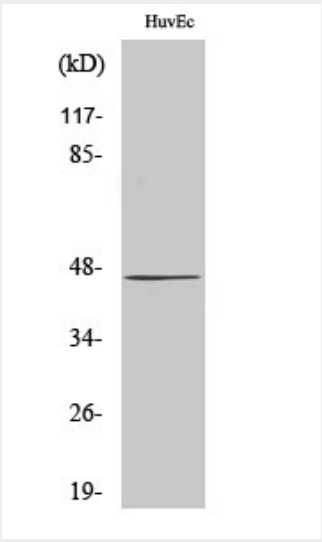
Other Names
B4GALT5; Beta-1; 4-galactosyltransferase 5; Beta-1, 4-GalTase 5; Beta4Gal-T5; b4Gal-T5; Beta-1, 4-GalT II; UDP-Gal:beta-GlcNAc beta-1, 4-galactosyltransferase 5; UDP-galactose:beta-N-acetylglucosamine beta-1, 4-galactosyltransferase 5

Dilution
WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage Conditions
-20℃





β-1,4-Gal-T5 Polyclonal 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

β-1,4-Gal-T5 Polyclonal Antibody - Background

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

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.

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β-1,4-Gal-T5 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
- Cell Culture