

**Anti-Human/Mouse/Rat B4GALNT1 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04230**

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3th Edition

**Description:**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. B4GALNT1 (Beta-1,4-N-Acetyl-Galactosaminyltransferase 1) is a Protein Coding gene. Diseases associated with B4GALNT1 include Spastic Paraplegia 26, Autosomal Recessive and Spastic Paraplegia 26. Among its related pathways are Glycosphingolipid biosynthesis - ganglio series and Metabolism. GO annotations related to this gene include transferase activity and acetylgalactosaminyltransferase activity. An important paralog of this gene is B4GALNT2.

**Antigen:**Synthesized peptide derived from the Internal region of human GM2/GD2 synthase

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**