

β 1, 3 半乳糖转移酶 3 抗体

产品货号 : mlR10438

英文名称 : B3GALNT1

中文名称 : β 1, 3 半乳糖转移酶 3 抗体

别名 : 3-galactosyltransferase 3; 3-GalNAc-T1; 3-GalTase 3; 3-N-acetylgalactosaminyltransferase 1; 3-N-acetylgalactosaminyltransferase; b3Gal T3; b3Gal-T3; B3galnt1; B3GALT3; B3GL1_HUMAN; Beta 1,3 galactosyltransferase 3; Beta 1,3 GalTase 3; beta 1,3 N acetylgalactosaminyltransferase 1 (globoside blood group); Beta 3 GalNAc T1; Beta 3 Gx T3; Beta-1; Beta-3-Gx-T3; beta3Gal T3; Beta3Gal-T3; Beta3GalT3; brainiac1; Galactosylgalactosylglucosylceramide beta D acetyl galactosaminyltransferase; Galactosylgalactosylglucosylceramide beta-D-acetyl-galactosaminyltransferase; galT3; Gb4Cer; GLCT3; GLOB; Globoside synthase; globotriaosylceramide 3 beta N acetylgalactosaminyltransferase; P antibody P antigen synthase; P blood group globoside; P1 antibody UDP Gal:betaGlcNAc beta 1,3 galactosyltransferase 1; UDP Gal:betaGlcNAc beta 1,3 galactosyltransferase, polypeptide 3 (Globoside blood group); UDP GalNAc:beta 1,3 N acetylgalactosaminyltransferase 1; UDP GalNAc:betaGlcNAc beta 1,3 galactosaminyltransferase, polypeptide 1 (Globoside blood group); UDP N acetylgalactosamine:globotriaosylceramide beta 1,3 N acetylgalactosaminyltransferase; UDP-GalNAc:beta-1; UDP-N-acetylgalactosamine:globotriaosylceramide beta-1.

研究领域 : 心血管 细胞生物

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

产品应用 : WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500
(石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 39kDa

细胞定位 : 细胞浆 细胞膜

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human B3GALNT1:231-331/331

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. 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.

PubMed : PubMed

产品介绍 : This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). The encoded protein of this gene does not use N-acetylglucosamine as an acceptor sugar at all. Multiple transcript variants that are alternatively spliced in the 5' UTR have been described; they all encode the same protein.

Function:

Transfers N-acetylgalactosamine onto globotriaosylceramide.

Subcellular Location:

Golgi apparatus membrane; Single-pass type II membrane protein.

Tissue Specificity:

Higher expression in heart and brain, and to a lesser extent in lung, placenta, kidney and testis. Lower expression in liver, spleen and stomach.

Similarity:

Belongs to the glycosyltransferase 31 family.

SWISS:

O75752

Gene ID:

8706

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.