



Rabbit Anti-B4GALT6 antibody

SL23824R

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| Product Name: | B4GALT6 |
| Chinese Name: | B4GALT6抗体 |
| Alias: | Beta-1,4-Galactosyltransferase 6; UDP-Galactose:Beta-N-Acetylglucosamine Beta-1,4-Galactosyltransferase 6; UDP-Gal:BetaGlcNAc Beta 1,4- Galactosyltransferase, Polypeptide 6; UDP-Gal:Glucosylceramide Beta-1,4-Galactosyltransferase; UDP-Gal:Beta-GlcNAc Beta-1,4-Galactosyltransferase 6; Beta-1,4-GalTase 6; Beta4Gal-T6; B4Gal-T6; Beta4GalT-VI; B4GT6 HUMAN; |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep, |
| Applications: | WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 45kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human B4GALT6: |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | 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 |
| Product Detail: | This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar |

acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene is a lactosylceramide synthase important for glycolipid biosynthesis. [provided by RefSeq, Jul 2008]

Function:

Required for the biosynthesis of glycosphingolipids.

Subcellular Location:

Golgi apparatus

Tissue Specificity:

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

Similarity:

Belongs to the glycosyltransferase 7 family.

SWISS:

Q9UBX8

Gene ID:

9331

Database links:

[Entrez Gene: 9331](#)Human

[Entrez Gene: 56386](#)Mouse

[Omim: 604017](#)Human

[SwissProt: Q9UBX8](#)Human

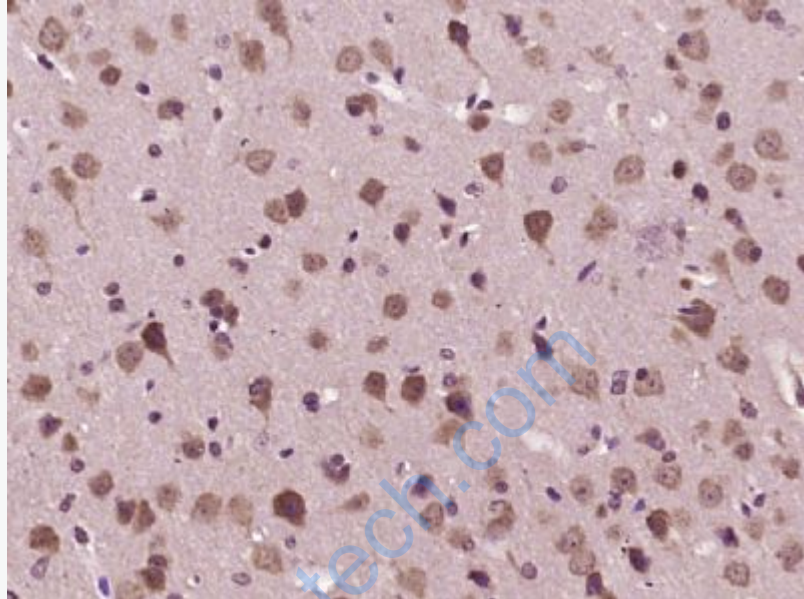
[SwissProt: Q9WVK5](#)Mouse

[Unigene: 591063](#)Human

[Unigene: 393827](#)Mouse

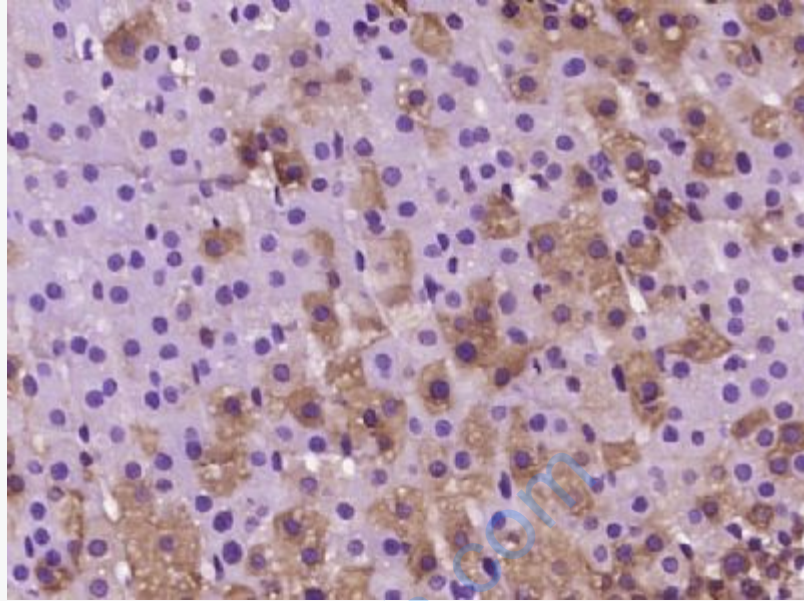
Important Note:

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



Picture:

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 (SL23824R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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 (SL23824R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.