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**[ Primary Antibody ]**

# Rabbit Anti-B4GALT6 antibody

**Catalog Number: SL23824R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

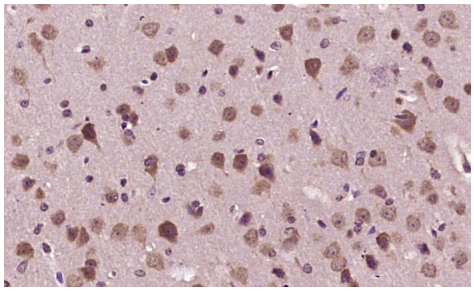
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | B4GALT6 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human B4GALT6 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep) |
| **Predicted MW.:** | 45kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | 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.<br>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] |

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

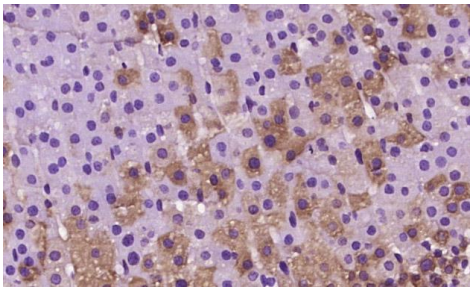
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| | |
|---|---|
| | **Function:** Required for the biosynthesis of glycosphingolipids.<br>**Subcellular Location:** Golgi apparatus<br>**Tissue Specificity:** High expression in brain and adrenal gland, lower in liver, lung, colon and peripheral white blood cells.<br>**Similarity:** Belongs to the glycosyltransferase 7 family.<br>**Database links:**<br>**Entrez Gene:** 9331 Human<br>**Entrez Gene:** 56386 Mouse<br>Omim: 604017 Human<br>**SwissProt:** Q9UBX8 Human<br>**SwissProt:** Q9WVK5 Mouse<br>**Unigene:** 591063 Human<br>**Unigene:** 393827 Mouse |

## [ VALIDATION IMAGES ]



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) instructionsand 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) instructionsand DAB staining.

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