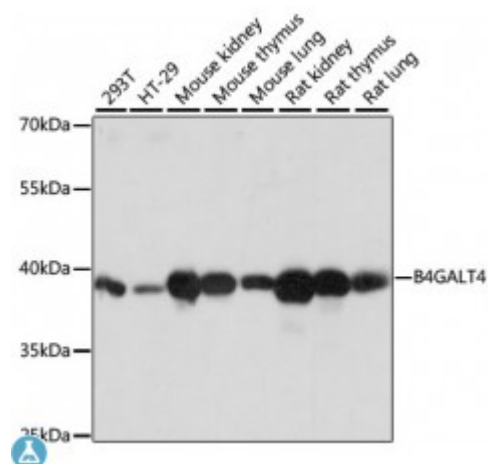


Anti-B4GALT4 Antibody



Description

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 appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene.

Model	STJ116894
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 35-344 of human B4GALT4 (NP_003769.1).
Gene ID	8702
Gene Symbol	B4GALT4
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	High expression in heart, placenta, kidney and pancreas

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Beta-1,4-galactosyltransferase 4 Beta-1,4-GalTase 4 Beta4Gal-T4 b4Gal-T4]
Molecular Weight	40.041 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:927OMIM:604015Reactome:R-HSA-2022854
Alternative Names	Beta-1,4-galactosyltransferase 4 Beta-1,4-GalTase 4 Beta4Gal-T4 b4Gal-T4]
Function	Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids,
Cellular Localization	Golgi apparatus, Golgi stack membrane

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