CGT Monoclonal Antibody

Catalog No	BYmab-10839
Isotype	IgG
Reactivity	Human; Rat
Applications	WB
Gene Name	UGT8 CGT UGT4
Protein Name	CGT
Immunogen	Synthesized peptide derived from human CGT
Specificity	This antibody detects endogenous levels of human CGT
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	2-hydroxyacylsphingosine 1-beta-galactosyltransferase (EC 2.4.1.45;Ceramide UDP-galactosyltransferase;Cerebroside synthase;UDP-galactose-ceramide galactosyltransferase)
Observed Band	60kD
Cell Pathway	Membrane ; Single-pass membrane protein . Endoplasmic reticulum .
Tissue Specificity	Brain,
Function	catalytic activity:UDP-galactose + 2-(2-hydroxyacyl)sphingosine = UDP + 1-(beta-D-galactosyl)-2-(2-hydroxyacyl)sphingosine.,function:Catalyzes the transfer of galactose to ceramide, a key enzymatic step in the biosynthesis of galactocerebrosides, which are abundant sphingolipids of the myelin membrane of the central nervous system and peripheral nervous system.,online information:2-hydroxyacylsphingosine 1-beta-galactosyltransferase precursor,pathway:Sphingolipid metabolism; galactosylceramide biosynthesis.,similarity:Belongs to the UDP-glycosyltransferase family.,

Background	UDP glycosyltransferase 8(UGT8) Homo sapiens The protein encoded by this gene belongs to the UDP-glycosyltransferase family. It catalyzes the transfer of galactose to ceramide, a key enzymatic step in the biosynthesis of galactocerebrosides, which are abundant sphingolipids of the myelin membrane of the central and peripheral nervous systems. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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