

UGT8 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51985

Product Information

Application	WB
Primary Accession	Q16880
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61438

Additional Information

Gene ID	7368
Other Names	2-hydroxyacylsphingosine 1-beta-galactosyltransferase, Ceramide UDP-galactosyltransferase, Cerebroside synthase, UDP-galactose-ceramide galactosyltransferase, UGT8, CGT, UGT4
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	UGT8 (HGNC:12555)
Synonyms	CGT, UGT4
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 (PubMed: 9125199). Galactosylates both hydroxy- and non-hydroxy fatty acid-containing ceramides and diglycerides (By similarity).
Cellular Location	Membrane; Single-pass membrane protein. Endoplasmic reticulum {ECO:0000250 UniProtKB:Q09426}

Background

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.

References

- Bosio A.,et al.Genomics 34:69-75(1996).
Kapitonov D.E.,et al.Biochem. Biophys. Res. Commun. 232:449-453(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

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