

Product datasheet for **AP54457PU-N**

UGT8 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500. Immunohistochemistry on paraffin sections: 1:10~50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 373-401 amino acids from the Central region of human UGT8
Specificity:	This antibody detects UGT8 / UGT4 (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	UDP glycosyltransferase 8
Database Link:	Entrez Gene 7368 Human Q16880



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Background: Galactocerebrosides are abundant sphingolipids of the myelin membrane of the central nervous system and peripheral nervous system and are also present in small amounts in kidney. The key enzymatic step in the biosynthesis of galactocerebrosides consists of the transfer of galactose to ceramide catalyzed by UDP-galactose ceramide galactosyltransferase (CGT, EC 2.4.1.45). The enzyme encoded by the CGT gene is the first involved in complex lipid biosynthesis in the myelinating oligodendrocyte. [supplied by OMIM].

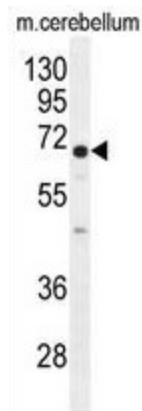
Synonyms: UDP-galactose-ceramide galactosyltransferase, Ceramide UDP-galactosyltransferase, Cerebroside synthase, CGT

Note: **Molecular Weight:** 61438 Da

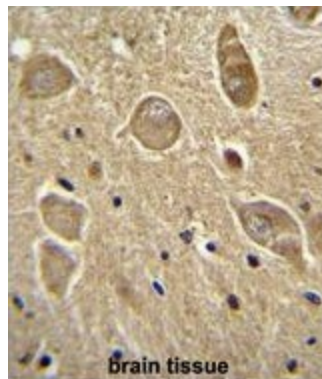
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Sphingolipid metabolism

Product images:



UGT8 antibody (Center) western blot analysis in mouse cerebellum tissue lysates (35 ug/lane). This demonstrates the UGT8 antibody detected the UGT8 protein (arrow).



UGT8 antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of UGT8 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.