

Rabbit UGT8 Polyclonal Antibody | anti-UGT8 antibody

UGT8 antibody (Center)

CATALOG # AAA283927	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

UGT8; Polyclonal Antibody; UGT8 antibody (Center); 2-hydroxyacylsphingosine 1-beta-galactosyltransferase; Ceramide UDP-galactosyltransferase; Cerebroside synthase; UDP-galactose-ceramide galactosyltransferase; CGT; UGT4; anti-UGT8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UGT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-393 amino acids from the Central region of human UGT8.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	366-393
Sequence Length	541
Applicable Applications for anti-UGT8 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

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.



WB (Western Blot)

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



WB (Western Blot)

Anti-UGT8 antibody (Center) at 1:2000 dilution + human heart lysates. Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-UGT8 antibody	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].
Product Categories/Family for anti-UGT8 antibody	Developmental biology ; Metabolism ; Signal transduction
References	Dziecedil Giel, P., et al. Br. J. Cancer 103(4):524-531(2010) Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010) Ross, C.J., et al. Nat. Genet. 41(12):1345-1349(2009) Ruckhaberle, E., et al. J. Cancer Res. Clin. Oncol. 135(8):1005-1013(2009) Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	189491660
NCBI GeneID	7368
NCBI Accession #	NP_001121646.1 ; NP_003351.2
NCBI GenBank Nucleotide #	NM_001128174.1
UniProt Accession #	Q16880 ; O00196 ; B3KXU7
Molecular Weight	61438
NCBI Official Full Name	2-hydroxyacylsphingosine 1-beta-galactosyltransferase
NCBI Official Synonym Full Names	UDP glycosyltransferase 8
NCBI Official Symbol	UGT8
NCBI Official Synonym Symbols	CGT; UGT4
NCBI Protein Information	2-hydroxyacylsphingosine 1-beta-galactosyltransferase
UniProt Protein Name	2-hydroxyacylsphingosine 1-beta-galactosyltransferase
UniProt Gene Name	UGT8
UniProt Synonym Gene Names	CGT; UGT4
UniProt Entry Name	CGT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

