

UGT8 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3401a**Specification**

UGT8 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q16880
Other Accession	NP_003351.2 , 7368 , 50555 (rat)
Predicted	Human, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	61438

UGT8 Antibody (internal region) - Additional Information**Gene ID** 7368**Other Names**

2-hydroxyacylsphingosine 1-beta-galactosyltransferase, 2.4.1.45, Ceramide
UDP-galactosyltransferase, Cerebroside synthase, UDP-galactose-ceramide galactosyltransferase,
UGT8, CGT, UGT4

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UGT8 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

UGT8 Antibody (internal region) - 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

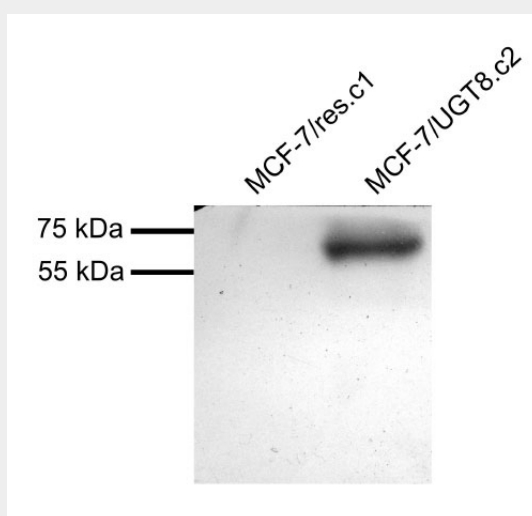
Membrane; Single-pass membrane protein. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q09426}

UGT8 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UGT8 Antibody (internal region) - Images



MCF7 overexpressing Human UGT8 and probed with AF3401a (mock transfection in first lane). Primary incubation (1ug/ml) was overnight at 4C. Data provided by Tomasz Owczarek, Wroclaw University, Poland. Detected by chemiluminescence.

UGT8 Antibody (internal region) - Background

Reported variants represent identical protein: NP_001121646.1, NP_003351.2.

UGT8 Antibody (internal region) - References

A systematic gene-based screen of chr4q22-q32 identifies association of a novel susceptibility gene, DKK2, with the quantitative trait of alcohol dependence symptom counts. Kalsi G, Kuo PH, Aliev F, Alexander J, McMichael O, Patterson DG, Walsh D, Zhao Z, Schuckit M, Nurnberger J,

Edenberg H, Kramer J, Vladimirov V, Prescott CA, Dick DM, Kendler KS, Riley BP, Human molecular genetics 2010 Jun 19 (12): 2497-506. PMID: 20332099