

For Research Use Only

UGT8 Recombinant antibody

Catalog Number: 82874-1-RR



Basic Information

Catalog Number: 82874-1-RR	GenBank Accession Number: BC075069	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 7368	CloneNo.: 230107A6
Source: Rabbit	UNIPROT ID: Q16880	
Isotype: IgG	Full Name: UDP glycosyltransferase 8	
Immunogen Catalog Number: AG13137	Calculated MW: 541 aa, 61 kDa	

Applications

Tested Applications:
FC, ELISA

Species Specificity:
Human

Background Information

UGT8, also known as galactosylceramide synthase or CGT (ceramide galactosyltransferase), is a key enzyme for galactosylceramide (GalCer) biosynthesis. It is an ER transmembrane protein and has limited tissue distribution, with predominance in Schwann cells, oligodendrocytes, kidneys, testes, and intestine. UGT8 is highly enriched in myelin in the central nervous system. Its expression levels are strongly associated with histological typing in human oligodendrogliomas and astrocytomas; can be used as molecular marker to distinguish these tumors. Higher UGT8 levels had also been linked to metastatic properties of cancer cells.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

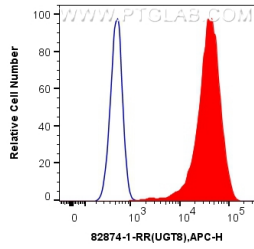
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Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.13 μ g Anti-Human UGT8 (82874-1-RR, Clone:230107A6) and Alexa Fluor™ Plus 647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.13 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).