

For Research Use Only

UGT8 Polyclonal antibody, PBS Only

Catalog Number: 17982-1-PBS

Featured Product



Basic Information

Catalog Number:

17982-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12393

GenBank Accession Number:

BC075069

GeneID (NCBI):

7368

UNIPROT ID:

Q16880

Full Name:

UDP glycosyltransferase 8

Calculated MW:

541 aa, 61 kDa

Observed MW:

61 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

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. This antibody specifically recognizes the endogenous UGT8.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

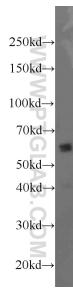
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

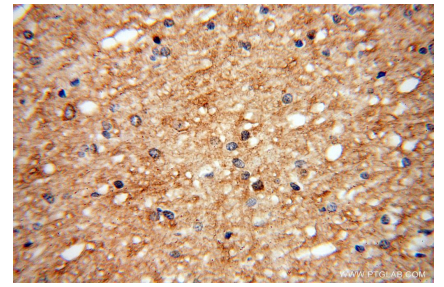
Selected Validation Data



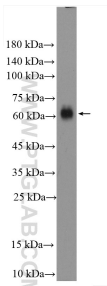
rat brain tissue were subjected to SDS PAGE followed by western blot with 17982-1-AP (UGT8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17982-1-PBS in a different storage buffer formulation.



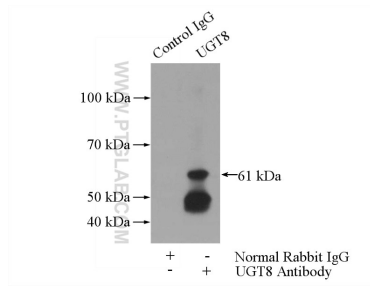
Immunohistochemical analysis of paraffin-embedded human brain using 17982-1-AP (UGT8 antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 17982-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human brain using 17982-1-AP (UGT8 antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 17982-1-PBS in a different storage buffer formulation.



rat brain tissue were subjected to SDS PAGE followed by western blot with 17982-1-AP (UGT8 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17982-1-PBS in a different storage buffer formulation.



IP result of anti-UGT8 (IP:17982-1-AP, 4ug; Detection:17982-1-AP 1:1000) with rat brain tissue lysate 4000ug. This data was developed using the same antibody clone with 17982-1-PBS in a different storage buffer formulation.