

IHCeasy[®] UGT8 Ready-To-Use IHC Kit

Catalog Number: **KHC3258**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Polyclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

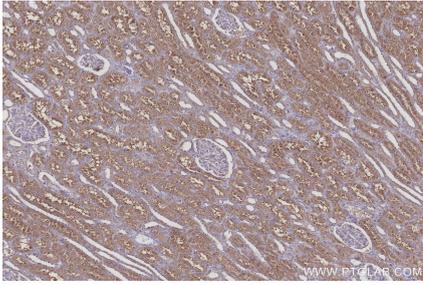
Background

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.

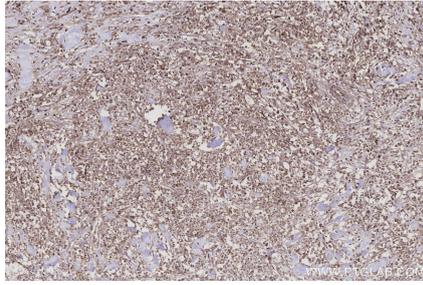
Synonyms

2-hydroxyacylsphingosine 1-beta-galactosyltransferase, Ceramide UDP-galactosyltransferase, CGT, EC:2.4.1.47, UDP-galactose-ceramide galactosyltransferase

Selected Validation Data



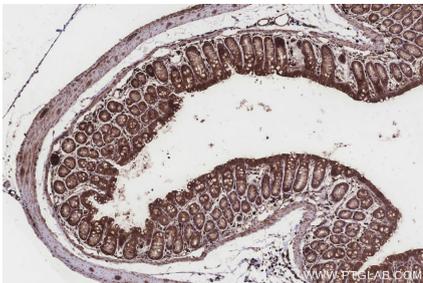
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC3258 (UGT8 IHC Kit).



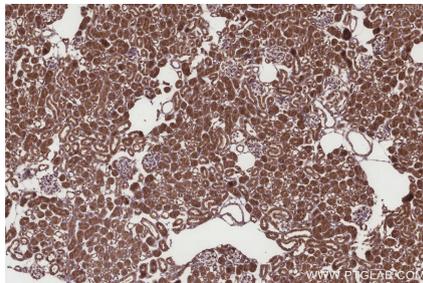
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC3258 (UGT8 IHC Kit).



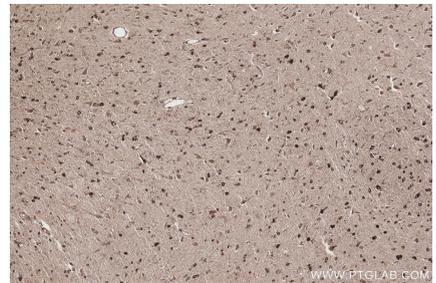
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC3258 (UGT8 IHC Kit).



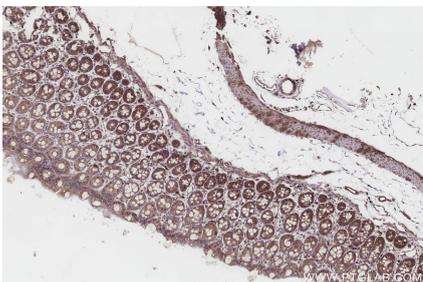
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC3258 (UGT8 IHC Kit).



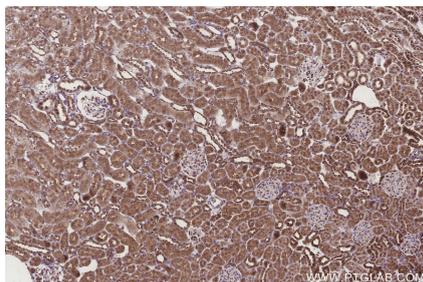
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC3258 (UGT8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC3258 (UGT8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC3258 (UGT8 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC3258 (UGT8 IHC Kit).