

Datasheet for ABIN2782228  
**anti-UGT8 antibody (Middle Region)**



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1 Image

## Overview

Quantity:	100 µL
Target:	UGT8
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGT8 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human UGT8
Sequence:	GILLEWKTVT EKELYEALVK VINNPSYRQR AQLSEIHKD QPGHPVNRTI
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against UGT8. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	UGT8
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## Target Details

Alternative Name:	UGT8 ( <a href="#">UGT8 Products</a> )
Background:	<p>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 UGT8 is the first involved in complex lipid biosynthesis in the myelinating oligodendrocyte. 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].</p> <p>Alias Symbols: CGT, UGT4</p> <p>Protein Interaction Partner: FBXO6,</p> <p>Protein Size: 541</p>
Molecular Weight:	61 kDa
Gene ID:	7368
NCBI Accession:	<a href="#">NM_003360</a> , <a href="#">NP_003351</a>
UniProt:	<a href="#">Q16880</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 541 AA
Restrictions:	For Research Use only

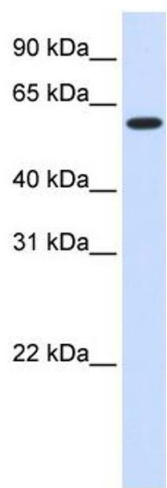
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



**Western Blotting**

**Image 1.** WB Suggested Anti-UGT8 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human heart