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Datasheet for ABIN655577

anti-UGT8 antibody (AA 366-393)

3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	UGT8
Binding Specificity:	AA 366-393
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGT8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This UGT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-393 amino acids from the Central region of human UGT8.
Clone:	RB29672
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	UGT8
Alternative Name:	UGT8 (UGT8 Products)

Target Details

Background:	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].
Molecular Weight:	61438
Gene ID:	7368
NCBI Accession:	NP_001121646 , NP_003351
UniProt:	Q16880
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months

Publications

Product cited in:	Han, Liang, Yi, Tan, He, Wang, Li, Wu, Ma, Shi, Guo, Bai: "Long-Term Selenium-Deficient Diet Induces Liver Damage by Altering Hepatocyte Ultrastructure and MMP1/3 and TIMP1/3
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Expression in Growing Rats." in: **Biological trace element research**, (2016) ([PubMed](#)).

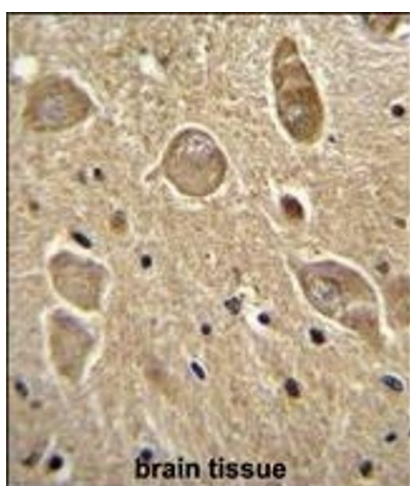
Peng, Xin, Han, Gao, Gao, Lei, Ji, An, Cao: "Expression and regulative function of tissue inhibitor of metalloproteinase 3 in the goat ovary and its role in cultured granulosa cells." in: **Molecular and cellular endocrinology**, Vol. 412, pp. 104-15, (2015) ([PubMed](#)).

Peng, Gao, Gao, Lei, Han, Xin, An, Cao: "Expression and regulation of tissue inhibitors of metalloproteinases (TIMP1 and TIMP3) in goat oviduct." in: **Theriogenology**, Vol. 84, Issue 9, pp. 1636-43, (2015) ([PubMed](#)).

Lu, Cao, Liu, Li, Chen, Fu, Zhang, Liu, Luo, Wang, Li, Caterson: "The effects of mycotoxins and selenium deficiency on tissue-engineered cartilage." in: **Cells, tissues, organs**, Vol. 196, Issue 3, pp. 241-50, (2012) ([PubMed](#)).

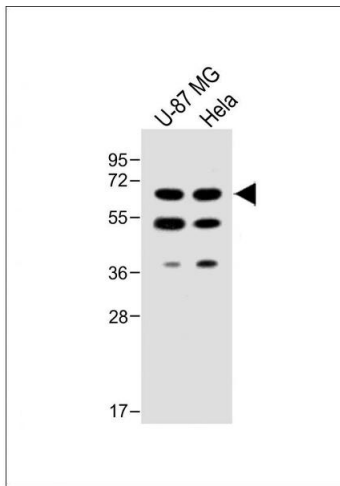
Liu, Cui, Ao, Zhou, Zhou, Yuan, Xiang, Liu, Cao et al.: "Aberrant methylation accounts for cell adhesion-related gene silencing during 3-methylcholanthrene and diethylnitrosamine induced multistep rat lung carcinogenesis associated with overexpression of ..." in: **Toxicology and applied pharmacology**, Vol. 251, Issue 1, pp. 70-8, (2011) ([PubMed](#)).

Images



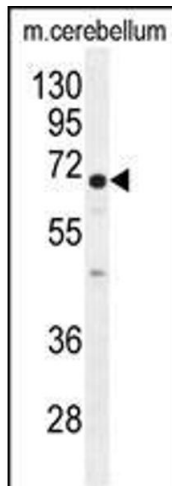
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. UGT8 antibody (Center) (ABIN655577 and ABIN2845071) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of UGT8 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. All lanes : Anti-UGT8 antibody (Center) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 3. UGT8 antibody (Center) (ABIN655577 and ABIN2845071) western blot analysis in mouse cerebellum tissue lysates (35 µg/lane). This demonstrates the UGT8 antibody detected the UGT8 protein (arrow).