

Datasheet for ABIN2781804

anti-UGT1A1 antibody (N-Term)





Overview

Overview	
Quantity:	100 μL
Target:	UGT1A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGT1A1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human UGT1A1
Sequence:	DGSHWLSMLG AIQQLQQRGH EIVVLAPDAS LYIRDGAFYT LKTYPVPFQR
Predicted Reactivity:	Horse: 86%, Human: 100%, Mouse: 79%, Rat: 82%
Characteristics:	This is a rabbit polyclonal antibody against UGT1A1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	UGT1A1

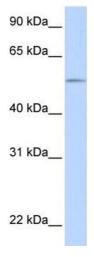
Target Details

rarget Details		
Alternative Name:	UGT1A1 (UGT1A1 Products)	
Background:	UGT1A1 is a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that	
	transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into	
	water-soluble, excretable metabolites. The preferred substrate of this enzyme is bilirubin,	
	although it also has moderate activity with simple phenols, flavones, and C18 steroids. This	
	gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that	
	transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into	
	water-soluble, excretable metabolites. This gene is part of a complex locus that encodes	
	several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons	
	followed by four common exons. Four of the alternate first exons are considered pseudogenes	
	Each of the remaining nine 5' exons may be spliced to the four common exons, resulting in nin	
	proteins with different N-termini and identical C-termini. Each first exon encodes the substrate	
	binding site, and is regulated by its own promoter. The preferred substrate of this enzyme is	
	bilirubin, although it also has moderate activity with simple phenols, flavones, and C18 steroids	
	Mutations in this gene result in Crigler-Najjar syndromes types I and II and in Gilbert syndrome	
	Publication Note: This RefSeq record includes a subset of the publications that are available for	
	this gene. Please see the Entrez Gene record to access additional publications.	
	Alias Symbols: GNT1, HUG-BR1, UDPGT, UGT1, UGT1A, BILIQTL1, UDPGT 1-1	
	Protein Interaction Partner: COPZ1, SEC23B, UGDH, B3GALT1,	
	Protein Size: 533	
Molecular Weight:	57 kDa	
Gene ID:	54658	
NCBI Accession:	NM_000463, NP_000454	
UniProt:	P22309	
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 533 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.
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-UGT1A1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Muscle