

Datasheet for ABIN2776828  
**anti-UGT1A6 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	UGT1A6
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Zebrafish (Danio rerio), Horse, Sheep, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGT1A6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human UGT1A6
Sequence:	APHLRPAAMD LTWYQYHSLD VIGFLLAVVL TVAFITFKCC AYG YRKCLGK
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against UGT1A6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	UGT1A6
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## Target Details

Alternative Name: UGT1A6 ([UGT1A6 Products](#))

**Background:** UGT1A6 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. 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 nine 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 enzyme is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants. 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 nine 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 enzyme encoded by this gene is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants.

Alias Symbols: GNT1, HLUGP, HLUGP1, MGC29860, UDPGT, UGT1, UGT1F, UGT1A6S, UDPGT 1-6

Protein Size: 532

Molecular Weight: 58 kDa

Gene ID: 54578

NCBI Accession: [NM\\_001072](#), [NP\\_001063](#)

UniProt: [P19224](#)

Pathways: [Steroid Hormone Biosynthesis](#), [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

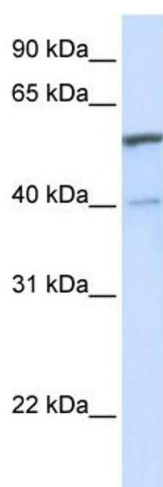
Comment: Antigen size: 532 AA

Restrictions: For Research Use only

## Handling

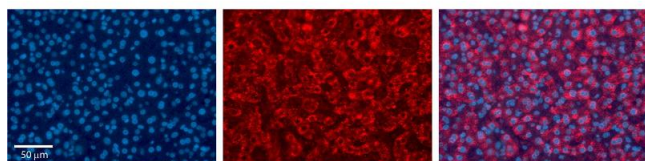
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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-UGT1A6 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 293T cell lysate



### Immunohistochemistry

**Image 2.** UGT1A6 antibody - C-terminal region Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm in hepatocytes Primary Antibody Concentration: 1:100 Other Working Concentrations: 1/600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec