

Rabbit UGT1A6 Polyclonal Antibody | anti-UGT1A6 antibody

UGT1A6 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198912	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

UGT1A6; Polyclonal Antibody; UGT1A6 antibody - C-terminal region; anti-UGT1A6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AP HLRPAADLT WYQYHSLDVI GFLAVLTV AFITFKCCAY GYRKCLGK
Sequence Length	532
Applicable Applications for anti-UGT1A6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 93%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human UGT1A6
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-UGT1A6 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: 293T cell lysate



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-UGT1A6 antibody	This is a rabbit polyclonal antibody against UGT1A6. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-UGT1A6 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; DNA/RNA/Protein Interactions; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	45827765
NCBI GeneID	54578
NCBI Accession #	NP_001063
NCBI GenBank Nucleotide #	NM_001072
UniProt Accession #	P19224
Molecular Weight	58kDa
NCBI Official Full Name	UDP-glucuronosyltransferase 1-6 isoform 1
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A6
NCBI Official Symbol	UGT1A6
NCBI Official Synonym Symbols	GNT1; UGT1; HLUGP; UDPGT; UGT1A; UGT1C; UGT1E; UGT1F; HLUGP1; UGT-1A; UGT-1C; UGT-1E; UGT1.1; UGT1.3; UGT1.5; UGT1A1; UGT1A3; UGT1A5; UGT1-01; UGT1-03; UGT1-05; UGT1A6S; hUG-BR1; UDPGT 1-6
NCBI Protein Information	UDP-glucuronosyltransferase 1-6
UniProt Protein Name	UDP-glucuronosyltransferase 1-6
UniProt Gene Name	UGT1A6
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-6; UGT1*6; UGT1-06; UGT1.6; UGT-1F; UGT1F
UniProt Entry Name	UD16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.