



Anti-UGT1A6 (aa 44-143) polyclonal antibody (DPAB-DC2343)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	UGT1A6 (NP_001063, 44 a.a. ~ 143 a.a) partial recombinant protein with GST tag. The sequence is DIVEVLSDRGHEIVVVPEVNLLLKESKYYTRKIYPVPYDQEELKNRYQSFGNHHFAERS FLTAPQTEYRNNMIVIGLYFINCQSLLQDRDTLNFFKESK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	UGT1A6 UDP glucuronosyltransferase 1 family, polypeptide A6 [Homo sapiens (human)]
Official Symbol	UGT1A6
Synonyms	UGT1A6; UDP glucuronosyltransferase 1 family, polypeptide A6; GNT1; UGT1; HLUGP; UDPGT; UGT1F; HLUGP1; UGT1A6S; UDPGT 1-6; UDP-glucuronosyltransferase 1-6; UGT-1F; UGT1*6; UGT1.6; UGT1-06; UDP-glucuronosyltransferase 1-F; UDP-glucuronosyltransferase 1A6; phenol-metabolizing UDP-glucuronosyltransferase; UDP glycosyltransferase 1 family, polypeptide A6; UDP-glucuronosyltransferase 1 family polypeptide A6s;
Entrez Gene ID	54578
Protein Refseq	NP_001063
UniProt ID	P19224
Chromosome Location	2q37
Pathway	AhR pathway; Ascorbate and aldarate metabolism; Chemical carcinogenesis; Drug metabolism - cytochrome P450
Function	enzyme binding; glucuronosyltransferase activity; protein heterodimerization activity; protein homodimerization activity
