



Anti-UGT1A10 (aa 187-289) polyclonal antibody (DPAB-DC2342)

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 has glucuronidase activity on mycophenolic acid, coumarins, and quinolines.
Immunogen	UGT1A10 (NP_061948, 187 a.a. ~ 289 a.a) partial recombinant protein with GST tag. The sequence is LSYVPNDLLGFS DAMTFKERVWNHIVHLEDHLFCQYLFRNALEIASEILQTPVTAYDLYS HTSIWLLRTDFVLDYPKPVMPNMIFIGGINCHQGKPLPMEFEA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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	UGT1A10 UDP glucuronosyltransferase 1 family, polypeptide A10 [Homo sapiens (human)]
Official Symbol	UGT1A10
Synonyms	UGT1A10; UDP glucuronosyltransferase 1 family, polypeptide A10; UDPGT; UGT1J; UGT-1J; UGT1-10; UGT1.10; UDP-glucuronosyltransferase 1-10; UDPGT 1-10; UDP-glucuronosyltransferase 1-J; UDP-glucuronosyltransferase 1A10; UDP glycosyltransferase 1 family, polypeptide A10;
Entrez Gene ID	54575
Protein Refseq	NP_061948
UniProt ID	Q5DT02
Chromosome Location	2q37
Pathway	Ascorbate and aldarate metabolism; Biological oxidations; Chemical carcinogenesis; Drug metabolism - cytochrome P450
Function	enzyme binding; glucuronosyltransferase activity; protein heterodimerization activity; protein homodimerization activity