



Anti-UGT1A3 (aa 30-129) polyclonal antibody (DPAB-DC2349)

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. Substrates of this enzyme include estrone, 2-hydroxyestrone, and metabolites of benzo alpha-pyrene.
Immunogen	UGT1A3 (NP_061966, 30 a.a. ~ 129 a.a) partial recombinant protein with GST tag. The sequence is KVLVVPIDGSHWLSMREVLRELHARGHQAVVLTPEVNMMHIKEENFFLTTY AISWTQDEF DRHVLGHTQLYFETEHFLKKFFRSMAMLNNMSL VYHRSCV
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	UGT1A3 UDP glucuronosyltransferase 1 family, polypeptide A3 [Homo sapiens (human)]
Official Symbol	UGT1A3
Synonyms	UGT1A3; UDP glucuronosyltransferase 1 family, polypeptide A3; UDPGT; UGT1C; UGT-1C; UGT1.3; UGT1-03; UDPGT 1-3; UDP-glucuronosyltransferase 1-3; UGT1*3; UDP-glucuronosyltransferase 1-C; UDP-glucuronosyltransferase 1A3; UDP glycosyltransferase 1 family, polypeptide A3;
Entrez Gene ID	54659
Protein Refseq	NP_061966
UniProt ID	P35503
Chromosome Location	2q37
Pathway	Ascorbate and aldarate metabolism; Biological oxidations; Chemical carcinogenesis; Drug metabolism - cytochrome P450
Function	UDP-glycosyltransferase activity; enzyme binding; glucuronosyltransferase activity; protein heterodimerization activity