

## Product datasheet for **TA309014**

### UGT1A6 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 8 and 227 of UGT1A6 (Uniprot ID#P19224)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	61 kDa
Gene Name:	UDP glucuronosyltransferase family 1 member A6
Database Link:	<a href="#">NP_995584</a> <a href="#">Entrez Gene 54578 Human P19224</a>



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**Background:**

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. [provided by RefSeq]

**Synonyms:**

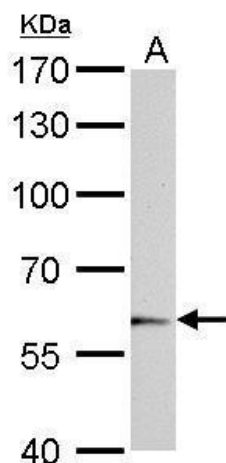
GNT1; HLUGP; HLUGP1; UDPGT; UDPGT 1-6; UGT1; UGT1A6S; UGT1F

**Protein Families:**

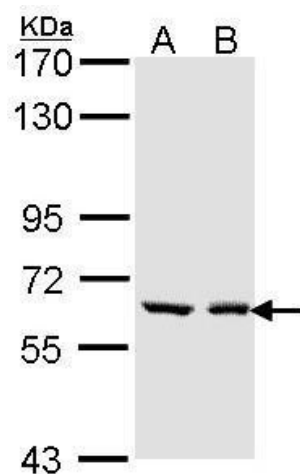
Transmembrane

**Protein Pathways:**

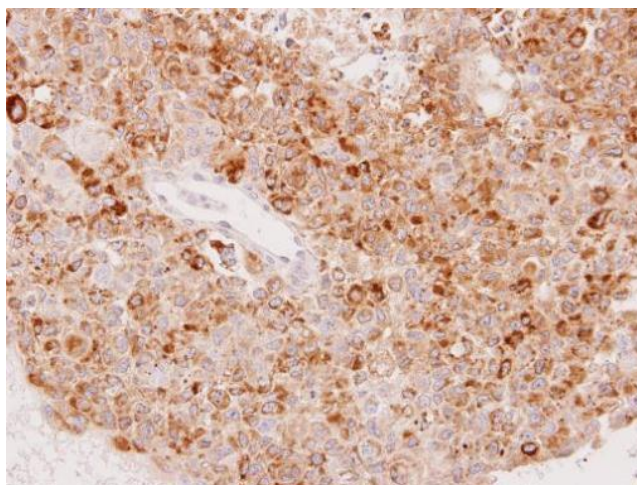
Androgen and estrogen metabolism, Ascorbate and aldarate metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Pentose and glucuronate interconversions, Porphyrin and chlorophyll metabolism, Retinol metabolism, Starch and sucrose metabolism

**Product images:**

UGT1A6 antibody detects UGT1A6 protein by Western blot analysis. A. 50 ug mouse liver lysate/extract. 7.5 % SDS-PAGE. UGT1A6 antibody (TA309014) dilution: 1:500



Sample (30 ug of whole cell lysate). A: A431. B: H1299. 7.5% SDS PAGE. TA309014 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded OV90 xenograft, using UGT1A6 (TA309014) antibody at 1:100 dilution.