

## Product datasheet for **TA331082**

### UGT1A7 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IHC, WB   |
| Recommended Dilution:   | WB, IHC   |
| Reactivity:             | Human   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | The immunogen for anti-UGT1A7 antibody: synthetic peptide directed towards the N terminal of human UGT1A7. Synthetic peptide located within the following region:<br>VKTYSTSYTLEDQDREFMVFADARWTAPLRSFSLTSSSNGIFDLFFSN |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>                               |
| Purification:           | Affinity Purified   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 57 kDa  |
| Gene Name:              | UDP glucuronosyltransferase family 1 member A7  |
| Database Link:          | <a href="#">NP_061950</a><br><a href="#">Entrez Gene 54577 Human</a><br><a href="#">Q9HAW7</a>  |



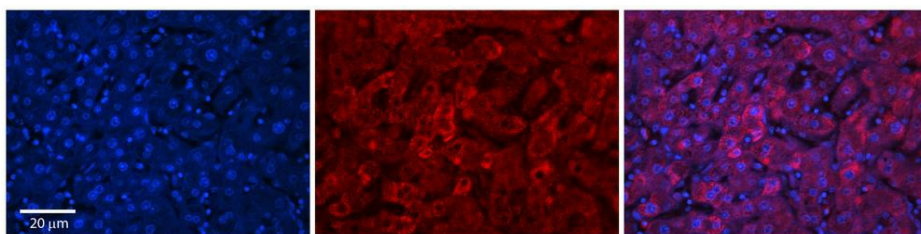
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|                          |   |
|--------------------------|---|
| <b>Background:</b>       | <p>UGT1A7 is an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into 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 moderate glucuronidase activity with phenols. 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 moderate glucuronidase activity with phenols. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| <b>Synonyms:</b>         | UDPGT; UDPGT 1-7; UGT-1G; UGT1-07; UGT1.7; UGT1G  |
| <b>Note:</b>             | Human: 100%   |
| <b>Protein Families:</b> | Transmembrane   |
| <b>Protein Pathways:</b> | 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:



WB Suggested Anti-UGT1A7 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:2500; Positive Control: 721\_B cell lysate; There is BioGPS gene expression data showing that UGT1A7 is expressed in 721\_B



Rabbit Anti-UGT1A7 Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Adult Liver; Observed Staining: Cytoplasm in hepatocytes, strong signal, wide tissue distribution; Primary Antibody Concentration: 1:100; Secondary Antibody: Donkey anti-Rabbit-Cy