

## Rabbit anti-Human UGT1A6 Polyclonal Antibody | anti-UGT1A6 antibody

Anti-UGT1A6 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA125445 | Rabbit | Human      | ELISA, Immunofluorescence, Immunocytochemistry, Western Blot |

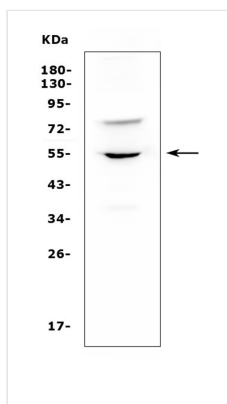
### PRODUCT SYNONYMS

UGT1A6; Polyclonal Antibody; Anti-UGT1A6 Antibody; UDP-glucuronosyltransferase 1-5; UDPGT 1-5; UGT1\*5; UGT1-05; UGT1.5; UDP-glucuronosyltransferase 1-E; UGT-1E; UGT1E; UDP-glucuronosyltransferase 1A5; UGT1A5; GNT1; UGT1; anti-UGT1A6 antibody

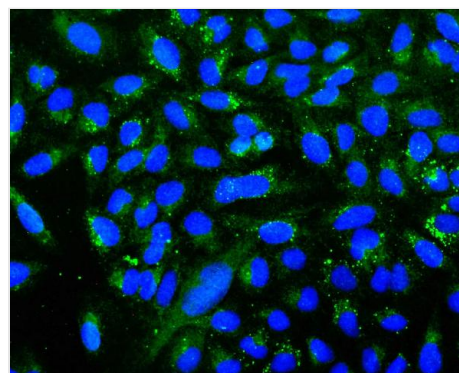
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                           |
| Reactivity                                       | Human                                                                                                                                                                                                            |
| Clonality                                        | Polyclonal                                                                                                                                                                                                       |
| Isotype                                          | IgG                                                                                                                                                                                                              |
| Specificity                                      | No cross reactivity with other proteins.                                                                                                                                                                         |
| Purity/Purification                              | Immunogen affinity purified.                                                                                                                                                                                     |
| Form/Format                                      | Lyophilized<br>Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                                  |
| Sequence Length                                  | 532                                                                                                                                                                                                              |
| Applicable Applications for anti-UGT1A6 antibody | ELISA (Direct ELISA), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                      |
| Immunogen                                        | E Coli-derived human UGT1A6 recombinant protein (Position: D27-S251).                                                                                                                                            |
| Reconstitution                                   | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                             |
| Preparation and Storage                          | Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



WB (Western Blot)



IF (Immunofluorescence)

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-UGT1A6 antibody | <p>Description: Rabbit IgG polyclonal antibody for UGT1A6 detection. Tested with WB, ICC/IF, Direct ELISA in Human.</p> <p>Background: UDP-glucuronosyltransferase 1-6 is an enzyme that in humans is encoded by the UGT1A6 gene. It is mapped to 2q37.1. 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.</p> |
| References                                           | <p>1. Mackenzie PI, Owens IS, Burchell B, Bock KW, Bairoch A, Bélanger A, Fournel-Gigleux S, Green M, Hum DW, Iyanagi T, Lancet D, Louisot P, Magdalou J, Chowdhury JR, Ritter JK, Schachter H, Tephly TR, Tipton KF, Nebert DW (August 1997). "The UDP glycosyltransferase gene superfamily: recommended nomenclature update based on evolutionary divergence". Pharmacogenetics. 7 (4): 255-69.</p> <p>2. Ritter JK, Chen F, Sheen YY, Tran HM, Kimura S, Yeatman MT, Owens IS (February 1992). "A novel complex locus UGT1 encodes human bilirubin, phenol, and other UDP-glucuronosyltransferase isozymes with identical carboxyl termini". The Journal of Biological Chemistry. 267 (5): 3257-61.</p> <p>3. Shrestha B, Reed JM, Starks PT, Kaufman GE, Goldstone JV, Roelke ME, O'Brien SJ, Koepfli KP, Frank LG, Court MH (2011). Zanger U (ed.). "Evolution of a major drug metabolizing enzyme defect in the domestic cat and other felidae: phylogenetic timing and the role of hypercarnivory". PLoS One. 6 (3): e18046.</p>                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 45827765                                                                                                                                                                                     |
| NCBI GeneID                      | 54578                                                                                                                                                                                        |
| NCBI Accession #                 | NP_001063                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NP_001063.2                                                                                                                                                                                  |
| UniProt Accession #              | P19224                                                                                                                                                                                       |
| NCBI Official Full Name          | UDP-glucuronosyltransferase 1-6 isoform 1                                                                                                                                                    |
| NCBI Official Synonym Full Names | UDP glucuronosyltransferase family 1 member A6                                                                                                                                               |
| NCBI Official Symbol             | UGT1A6                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | GNT1; UGT1; HLUGP; UDPGT; UGT1A; UGT1C; UGT1E; UGT1F; HLUGP1; UGT-1A; UGT-1C; UGT-1E; UGT1.1; UGT1.3; UGT1.5; UGT1A1; UGT1A3; UGT1A5; UGT1-01; UGT1-03; UGT1-05; UGT1A6S; hUG-BR1; UDPGT 1-6 |
| NCBI Protein Information         | UDP-glucuronosyltransferase 1-6                                                                                                                                                              |
| UniProt Protein Name             | UDP-glucuronosyltransferase 1-6                                                                                                                                                              |
| UniProt Gene Name                | UGT1A6                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | GNT1; UGT1; UDPGT 1-6; UGT1*6; UGT1-06; UGT1.6; UGT-1F; UGT1F                                                                                                                                |
| UniProt Entry Name               | UD16_HUMAN                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.