

# Rat UDP Glucuronosyltransferase 2 Family, Polypeptide B7 (UGT2B7) ELISA Kit | UGT2B7 elisa kit

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|------------------------------|--------------------------|
| CATALOG #<br><b>AAA65969</b> | REACTIVITY<br><b>Rat</b> |
|------------------------------|--------------------------|

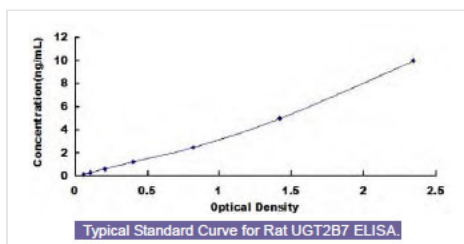
## PRODUCT SYNONYMS

UDP Glucuronosyltransferase 2 Family; Polypeptide B7 (UGT2B7); Rat UDP Glucuronosyltransferase 2 Family; Polypeptide B7 (UGT2B7) ELISA Kit; UGTB2B9; UDPGTh-2; 3; 4-catechol estrogen-specific UDPGT; UGT2B7 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                        |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of UGT2B7. No significant cross-reactivity or interference between UGT2B7 and analogues was observed.                              |
| Sequence Length         | 530                                                                                                                                                                                                        |
| Samples                 | Tissue homogenates and other biological fluids.                                                                                                                                                            |
| Assay Type              | Sandwich                                                                                                                                                                                                   |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                              |
| Sensitivity             | 0.059ng/mL                                                                                                                                                                                                 |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UGT2B7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level UGT2B7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

## IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for UGT2B7 elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of UGT2B7 in rat tissue homogenates and other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UGT2B7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UGT2B7. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain UGT2B7, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of UGT2B7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 27545412                                       |
| NCBI GeneID                      | 286989                                         |
| NCBI Accession #                 | NP_775445.1                                    |
| NCBI GenBank Nucleotide #        | NM_173323.1                                    |
| UniProt Accession #              | Q62789                                         |
| Molecular Weight                 | 60,089 Da                                      |
| NCBI Official Full Name          | UDP-glucuronosyltransferase 2B7                |
| NCBI Official Synonym Full Names | UDP glucuronosyltransferase family 2 member B7 |
| NCBI Official Symbol             | Ugt2b7                                         |
| NCBI Official Synonym Symbols    | Ugt2b8; UDPGT 2B7                              |
| NCBI Protein Information         | UDP-glucuronosyltransferase 2B7                |
| UniProt Protein Name             | UDP-glucuronosyltransferase 2B7                |
| UniProt Gene Name                | Ugt2b7                                         |
| UniProt Synonym Gene Names       | Ugt2b8; UDPGT 2B7                              |

**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.