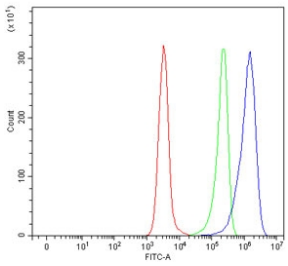
# UDP-glucuronosyltransferase 1A10 Antibody / UGT1A10 (RQ7048)

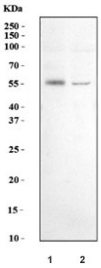
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7048 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9HAW8 |
| **Applications** | Western blot: 0.5-1 ug/ml<br>Flow cytometry: 1-3ug/million cells |
| **Limitations** | This UDP-glucuronosyltransferase 1A10 antibody is available for research use only. |




Flow cytometry testing of human Daudi cells with UDP-glucuronosyltransferase 1A10 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= UDP-glucuronosyltransferase 1A10 antibody.




Western blot testing of human 1) 293T and 2) Caco-2 cell lysate with UDP-glucuronosyltransferase 1A10 antibody. Predicted molecular weight ~60 kDa.

## Description

UDP-glucuronosyltransferase 1-10 is an enzyme that in humans is encoded by the UGT1A10 gene. 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 glucuronidase activity on mycophenolic acid, coumarins, and quinolines.

## Application Notes

Optimal dilution of the UDP-glucuronosyltransferase 1A10 antibody should be determined by the researcher.

## Immunogen

Amino acids HIVHLEDHLFCQYLFRNALEIASEILQ were used as the immunogen for the UDP-glucuronosyltransferase 1A10 antibody.

## Storage

After reconstitution, the UDP-glucuronosyltransferase 1A10 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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