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# UGT2A3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17728c

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q6UWM9 |
| **Other Accession** | NP_079019.3 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB37808 |
| **Calculated MW** | 60254 |
| **Antigen Region** | 324-353 |

## Additional Information

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| **Gene ID** | 79799 |
| **Other Names** | UDP-glucuronosyltransferase 2A3, UDPGT 2A3, UGT2A3 |
| **Target/Specificity** | This UGT2A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 324-353 amino acids from the Central region of human UGT2A3. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | UGT2A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | UGT2A3 ( HGNC:28528) |
| **Function** | UDP-glucuronosyltransferase (UGT) that catalyzes phase II biotransformation reactions by conjugating glucuronic acid to lipophilic substrates, thereby increasing their water solubility and facilitating excretion. |

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| | Catalyzes the glucuronidation of the bile acids hyodeoxycholic acid, deoxycholic acid, chenodeoxycholic acid, and ursodeoxycholic acid. |
| **Cellular Location** | Membrane; Single-pass type I membrane protein |
| **Tissue Location** | Primarily in small intestines, liver, colon and adipose tissue. Also expressed in pancreas, stomach, kidney, testis, lung, nasal bucosa and fetal liver. |

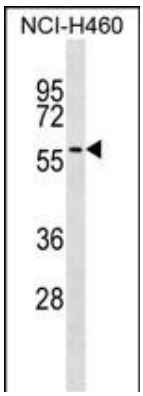
## Background

UDP-glucuronosyltransferases catalyze phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase water solubility and enhance excretion. They are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds (By similarity).

## References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Sneitz, N., et al. Pharmacogenet. Genomics (2009) In press :
Court, M.H., et al. Mol. Pharmacol. 74(3):744-754(2008)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

## Images




UGT2A3 Antibody (Center) (Cat. #AP17728c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the UGT2A3 antibody detected the UGT2A3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.