Datasheet for ABIN7603103

anti-UGT1A10 antibody (Middle Region)

Go to Product page

Overview

Quantity:	100 µg
Target:	UGT1A10
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGT1A10 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-UGT1A10 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human UGT1A10.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-UGT1A10 Antibody Picoband® (ABIN7603103). Tested in , Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	UGT1A10
Alternative Name:	UGT1A10 (UGT1A10 Products)
Background:	Synonyms: E3 ubiquitin-protein ligase RNF31, HOIL-1-interacting protein, HOIP, RING finger protein 31, RING-type E3 ubiquitin transferase RNF31, Zinc in-between-RING-finger ubiquitin-associated domain protein, RNF31, ZIBRA Tissue Specificity: Expressed in both normal and transformed breast epithelial cell lines. Background: 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.
Molecular Weight:	60 kDa
Gene ID:	54575
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Basu, N. K., Ciotti, M., Hwang, M. S., Kole, L., Mitra, P. S., Cho, J. W., Owens, I. S. Differential and special properties of the major human UGT1-encoded gastrointestinal UDP-glucuronosyltransferases enhance potential to control chemical uptake. J. Biol. Chem. 279: 1429-1441, 2004. 2. Gong, Q.-H., Cho, J. W., Huang, T., Potter, C., Gholami, N., Basu, N. K., Kubota, S., Carvalho, S., Pennington, M. W., Owens, I. S., Popescu, N. C. Thirteen UDP-glucuronosyltransferase genes are encoded at the human UGT1 gene complex locus. Pharmacogenetics 11: 357-368, 2001. 3. Mackenzie, P. I., Bock, K. W., Burchell, B., Guillemette, C., Ikushiro, S., Iyanagi, T., Miners, J. O., Owens, I. S., Nebert, D. W. Nomenclature update for the mammalian UDP glycosyltransferase (UGT) gene superfamily. Pharmacogenet. Genomics 15:

Application Details

	677-685, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.