Datasheet for ABIN7602059

anti-UGT1A1 antibody (AA 57-248)

Go to Product page

Overview

Quantity:	100 µg
Target:	UGT1A1
Binding Specificity:	AA 57-248
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UGT1A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Ugt1a1 Antibody Picoband®
Immunogen:	E.coli-derived mouse Ugt1a1 recombinant protein (Position: H57-D248).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Ugt1a1 Antibody Picoband® (ABIN7602059). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. 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:	UGT1A1
Alternative Name:	Ugt1a1 (UGT1A1 Products)
Background:	Synonyms: UDP-glucuronosyltransferase 1-1, UDPGT 1-1, UGT1*1, UGT1-01, UGT1.1, Bilirubin-specific UDPGT isozyme 1, hUG-BR1, UDP-glucuronosyltransferase 1-A, UGT-1A, UGT1A, UDP-glucuronosyltransferase 1A1, UGT1A1, GNT1, UGT1 Tissue Specificity: Isoform 1 and isoform 2 are expressed in liver, colon and small intestine. Isoform 2 but not isoform 1 is expressed in kidney. Isoform 1 and isoform 2 are not expressed in esophagus. Not expressed in skin. Background: UDP-glucuronosyltransferase 1-1 also known as UGT-1A is an enzyme that in humans is encoded by the UGT1A1 gene. Predicted to enable several functions, including glucuronosyltransferase activity, protein dimerization activity, and retinoic acid binding activity. Predicted to be involved in several processes, including biphenyl catabolic process, cellular glucuronidation, and negative regulation of cellular glucuronidation. Is integral component of plasma membrane. Part of endoplasmic reticulum chaperone complex. Is expressed in alimentary system, nervous system, and urinary system. Human ortholog(s) of this gene implicated in several diseases, including bilirubin metabolic disorder (multiple), cholecystolithiasis, cholelithiasis, female reproductive organ cancer (multiple), and hepatitis B. Orthologous to human UGT1A1 (UDP glucuronosyltransferase family 1 member A1).
Molecular Weight:	55 kDa
Gene ID:	394436
UniProt:	Q63886
Pathways:	Steroid Hormone Biosynthesis, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Mouse ELISA, 0.1-0.5 µg/mL, - 1. AlFadhli S, Al-Jafer H, Hadi M, Al-Mutairi M, Nizam R (October 2013)."The effect of UGT1A1 promoter polymorphism in the development of hyperbilirubinemia and cholelithiasis in hemoglobinopathy patients.".PLOS ONE. 8 (10): e77681. 2. Beutler E, Gelbart T, Demina A (July 1998). "Racial variability in the UDP-glucuronosyltransferase 1 (UGT1A1) promoter: a balanced polymorphism for regulation of bilirubin metabolism?". Proc Natl Acad Sci USA. 95(14): 8170-4.
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.