

Basic Information

Product Name	Anti-UGT1A1 Antibody
Gene Name	UGT1A1
Source	Rabbit
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived mouse Ugt1a1 recombinant protein (Position: H57-D248).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	55KD
Dilution Ratios	Western blot (WB): 1:500-2000 Flow cytometry (FCM):1-3 μ g/1x10 ⁶ cells ELISA: 1:100-1000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

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).

Selected Validation Data

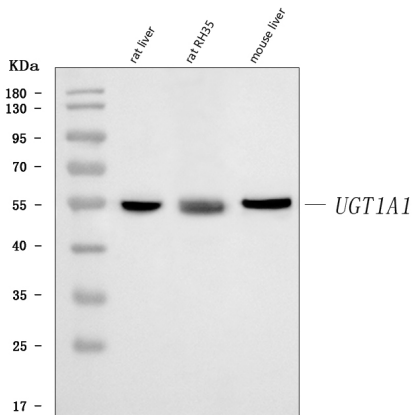


Figure 1. Western blot analysis of anti- UGT1A1 antibody (A01865-2). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat liver tissue lysate,

Lane 2: rat RH35 whole cell lysate,

Lane 3: mouse liver tissue lysates.

Use rabbit anti- UGT1A1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for UGT1A1 at approximately 55KD. The expected band size for UGT1A1 is at 60KD.