

## Anti-Ugt1a1 Antibody Picoband®

Catalog Number: A01865-2

### About Ugt1a1

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).

### Overview

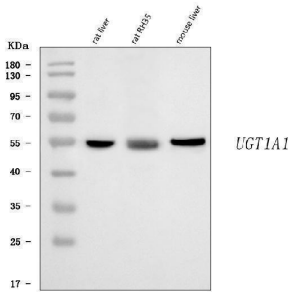
Product Name	Anti-Ugt1a1 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Ugt1a1 Antibody Picoband® catalog # A01865-2. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	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.
Host	Rabbit
Uniprot ID	Q63886

### Technical Details

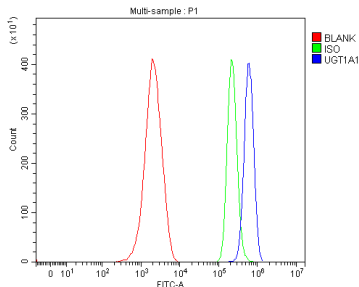
Immunogen	E.coli-derived mouse Ugt1a1 recombinant protein (Position: H57-D248).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 <sup>6</sup> cells, Mouse ELISA, 0.1-0.5 ug/ml, -

## Anti-Ugt1a1 Antibody Picoband® (A01865-2) Images



Western blot analysis of Ugt1a1 using anti-Ugt1a1 antibody (A01865-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: rat RH35 whole cell lysates, Lane 3: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Ugt1a1 antigen affinity purified polyclonal antibody (Catalog # A01865-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Ugt1a1 at approximately 55 kDa. The expected band size for Ugt1a1 is at 60 kDa.



Flow Cytometry analysis of ANA-1 cells using anti-Ugt1a1 antibody (A01865-2). Overlay histogram showing ANA-1 cells stained with A01865-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Ugt1a1 Antibody (A01865-2, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

### Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



### Anti-Ugt1a1 Antibody

For Research Use Only. Not for use in diagnostic procedures.