

Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody Picoband®

Catalog Number: A02718-1

About AZGP1

Predicted to enable RNA nuclease activity and protein transmembrane transporter activity. Involved in cell adhesion and detection of chemical stimulus involved in sensory perception of bitter taste. Located in extracellular space. Implicated in prostate carcinoma. Biomarker of several diseases, including gastrointestinal system cancer (multiple); kidney failure (multiple); liver cirrhosis; lung adenocarcinoma; and obesity.

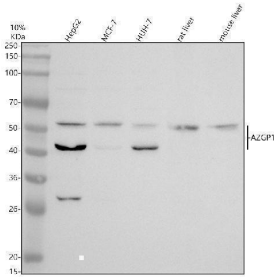
Overview

Product Name	Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody Picoband® catalog # A02718-1. Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, 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 ₂ HPO ₄ .
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	P25311

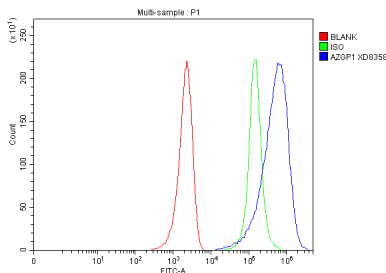
Technical Details

Immunogen	E.coli-derived human Zinc Alpha 2 Glycoprotein/AZGP1 recombinant protein (Position: E22-S298).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 ⁵ cells, Human ELISA, 0.1-0.5 ug/ml

Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody Picoband® (A02718-1) Images



Western blot analysis of Zinc Alpha 2 Glycoprotein/AZGP1 using anti-Zinc Alpha 2 Glycoprotein/AZGP1 antibody (A02718-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human HUH-7 whole cell lysates, Lane 4: rat liver tissue lysates, Lane 5: 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-Zinc Alpha 2 Glycoprotein/AZGP1 antigen affinity purified polyclonal antibody (A02718-1) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Zinc Alpha 2 Glycoprotein/AZGP1 at approximately 41,55 kDa. The expected band size for Zinc Alpha 2 Glycoprotein/AZGP1 is at 34 kDa.



Flow Cytometry analysis of MCF-7 cells using anti-Zinc Alpha 2 Glycoprotein/AZGP1 antibody (A02718-1). Overlay histogram showing MCF-7 cells stained with A02718-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody (A02718-1, 1 ug/1x10⁶ cells) for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody

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