

**Anti-Fetuin A Antibody**  
Catalog # ABO12254**Specification****Anti-Fetuin A Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P02765</a>
Host	<b>Rabbit</b>
Reactivity	<b>Human, Rat</b>
Clonality	<b>Polyclonal</b>
Format	<b>Lyophilized</b>

**Description**

Rabbit IgG polyclonal antibody for Alpha-2-HS-glycoprotein(AHSG) detection. Tested with WB, IHC-P, ELISA in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Fetuin A Antibody - Additional Information**

**Gene ID** 197

**Other Names**

Alpha-2-HS-glycoprotein, Alpha-2-Z-globulin, Ba-alpha-2-glycoprotein, Fetuin-A, Alpha-2-HS-glycoprotein chain A, Alpha-2-HS-glycoprotein chain B, AHSG, FETUA

**Calculated MW**

39325 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat  
<br> <br>ELISA , 0.1-0.5 µg/ml, Human, <br>Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Secreted.

**Tissue Specificity**

Synthesized in liver and selectively concentrated in bone matrix. Secreted in plasma. It is also found in dentin in much higher quantities than other plasma proteins.

**Protein Name**

Alpha-2-HS-glycoprotein

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human Fetuin A (33-65aa DDPETEEAALVAIDYINQNLPGYKHTLNQIDE), different from the related mouse and rat sequences

by thirteen amino acids.

#### **Purification**

Immunogen affinity purified.

#### **Cross Reactivity**

No cross reactivity with other proteins

#### **Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

#### **Sequence Similarities**

Belongs to the fetuin family.

### **Anti-Fetuin A Antibody - Protein Information**

**Name** AHSG

**Synonyms** FETUA

#### **Function**

Promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone. Shows affinity for calcium and barium ions.

#### **Cellular Location**

Secreted.

#### **Tissue Location**

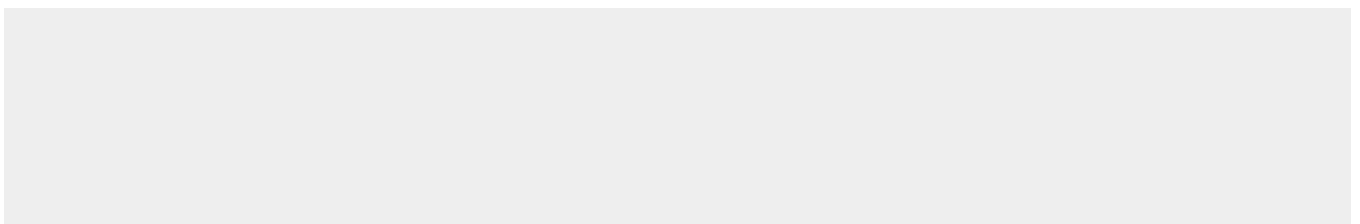
Synthesized in liver and selectively concentrated in bone matrix. Secreted in plasma. It is also found in dentin in much higher quantities than other plasma proteins

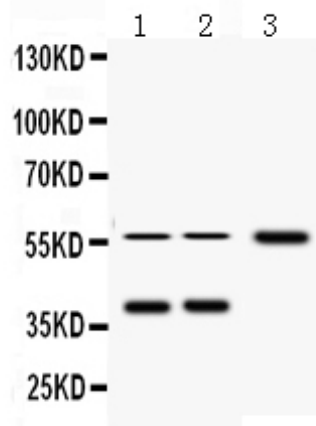
### **Anti-Fetuin A Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

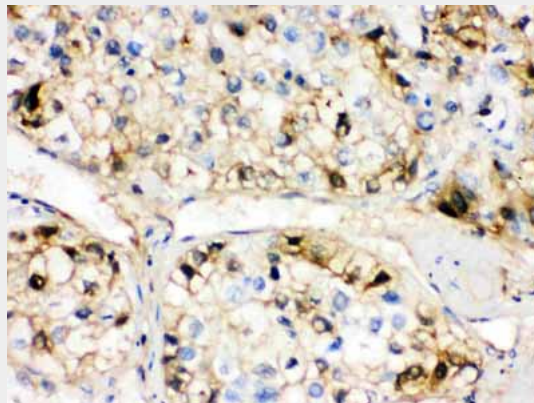
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-Fetuin A Antibody - Images**





Anti- Fetuin A Picoband antibody, ABO12254, Western blotting All lanes: Anti Fetuin A (ABO12254) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: RH35 Whole Cell Lysate at 40ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Predicted bind size: 39KD Observed bind size: 39KD, 58KD



Anti- Fetuin A Picoband antibody, ABO12254, IHC(P) IHC(P): Human Liver Cancer Tissue

### Anti-Fetuin A Antibody - Background

Alpha-2-HS-glycoprotein (AHSG), also known as fetuin-A, is a protein that in humans is encoded by the AHSG gene. Fetuin-A belongs to the fetuin class of plasma binding proteins and is more abundant in fetal than adult blood. Its gene is mapped to 3q27. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue.