

**Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody**  
**Catalog # ABO12641****Specification**

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**Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P02763</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Alpha-1-acid glycoprotein 1(ORM1) detection. Tested with WB, IHC-P, ELISA in Human;Mouse;Rat.

**Reconstitution**

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

**Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody - Additional Information**

**Gene ID** 5004

**Other Names**

Alpha-1-acid glycoprotein 1, AGP 1, Orosomucoid-1, OMD 1, ORM1, AGP1

**Calculated MW**

23512 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, Mouse, Rat<br>

**Subcellular Localization**

Secreted.

**Tissue Specificity**

Expressed by the liver and secreted in plasma.

**Protein Name**

Alpha-1-acid glycoprotein 1

**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**

E. coli-derived human ORM1 recombinant protein (Position: Q19-S201). Human ORM1 shares 47.5% and 48.1% amino acid (aa) sequence identity with mouse and rat ORM1, respectively.

**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.**

**Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody - Protein Information**

**Name** ORM1

**Synonyms** AGP1

**Function**

Functions as a transport protein in the blood stream. Binds various ligands in the interior of its beta-barrel domain. Also binds synthetic drugs and influences their distribution and availability in the body. Appears to function in modulating the activity of the immune system during the acute-phase reaction.

**Cellular Location**

Secreted.

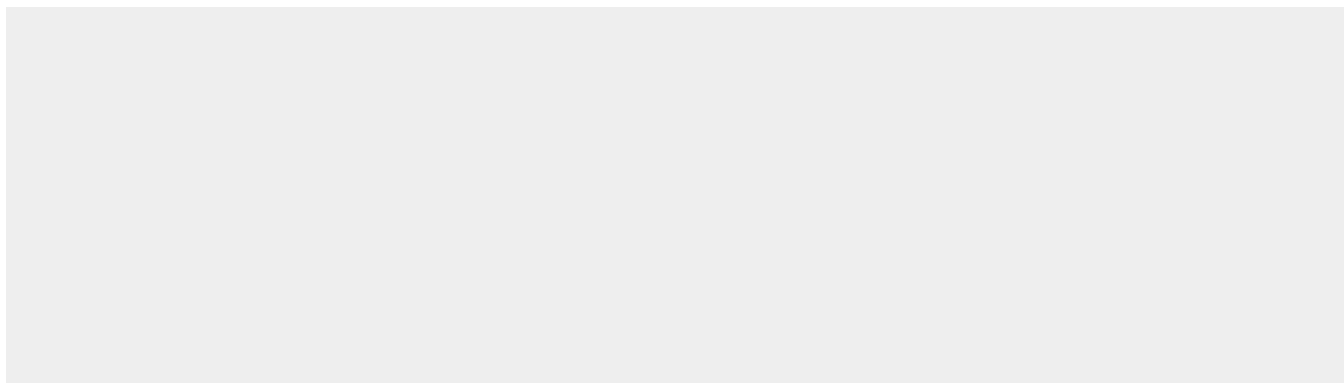
**Tissue Location**

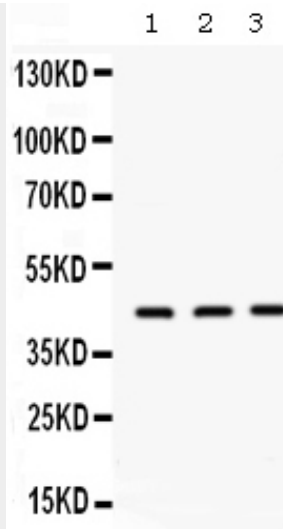
Expressed by the liver and secreted in plasma.

**Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody - Protocols**

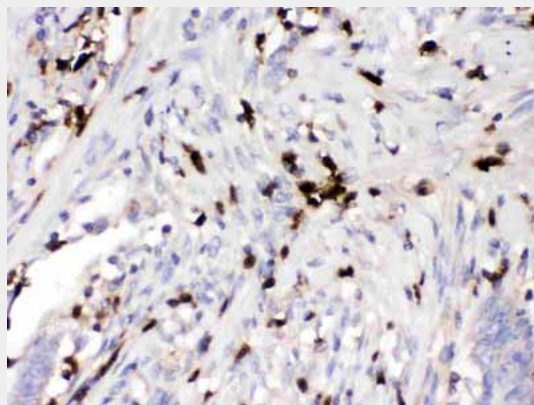
Provided below are standard protocols that you may find useful for product applications.

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

**Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody - Images**



Western blot analysis of ORM1 expression in rat liver extract (lane 1), mouse liver extract (lane 2) and PANC whole cell lysates (lane 3). ORM1 at 45KD was detected using rabbit anti-ORM1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12641) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .



ORM1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- ORM1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12641) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

#### **Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody - Background**

Alpha-1-acid glycoprotein 1 is a protein that in humans is encoded by the ORM1 gene. The structural gene for orosomucoid (ORM1) is assigned to the end of the long arm of chromosome 9 by demonstration of linkage to ABO and AK1. This gene encodes a key acute phase plasma protein. Because of its increase due to acute inflammation, this protein is classified as an acute-phase reactant. The specific function of this protein has not yet been determined; however, it may be involved in aspects of immunosuppression.