

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

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

Application	WB, IHC-P, E
Primary Accession	P02763
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

ELISA , 0.1-0.5 µg/ml, Human, -
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

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 Na₂HPO₄, 0.05mg NaN₃.

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.

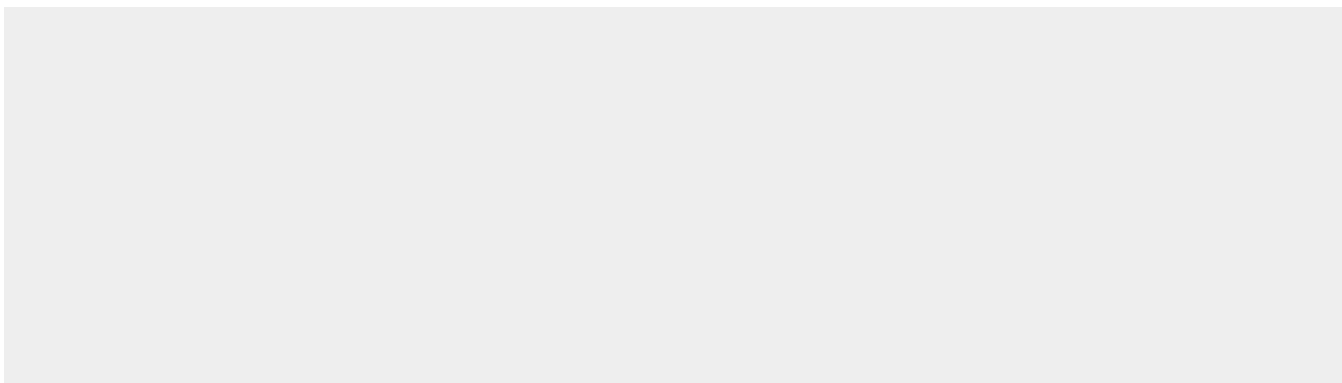
Tissue Location

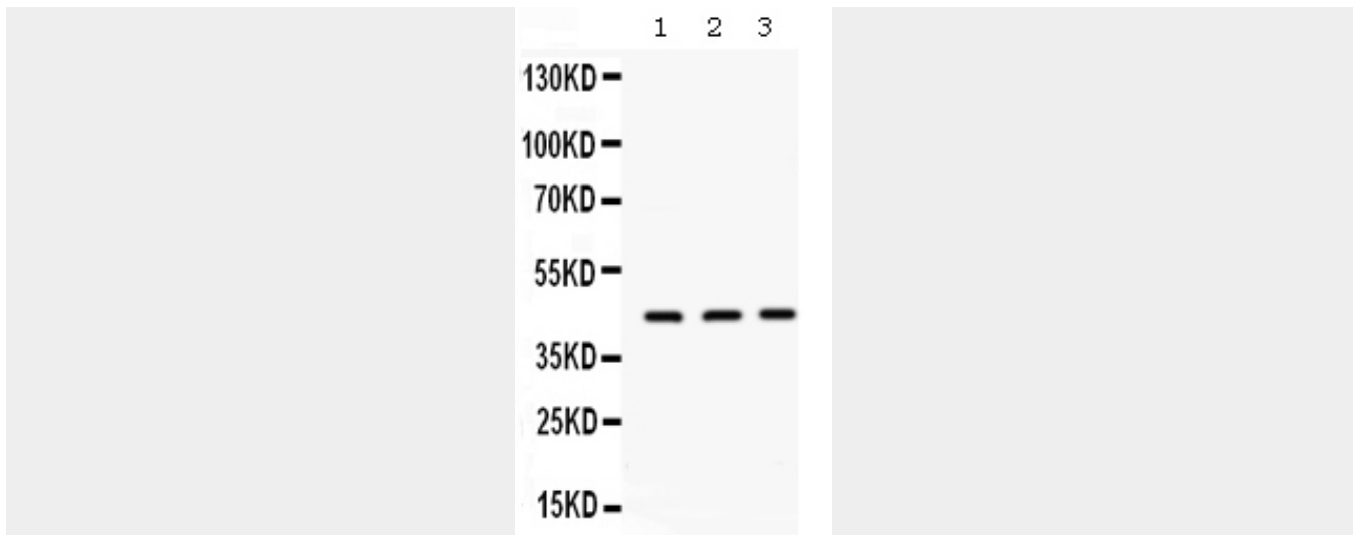
Expressed by the liver and secreted in plasma.

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

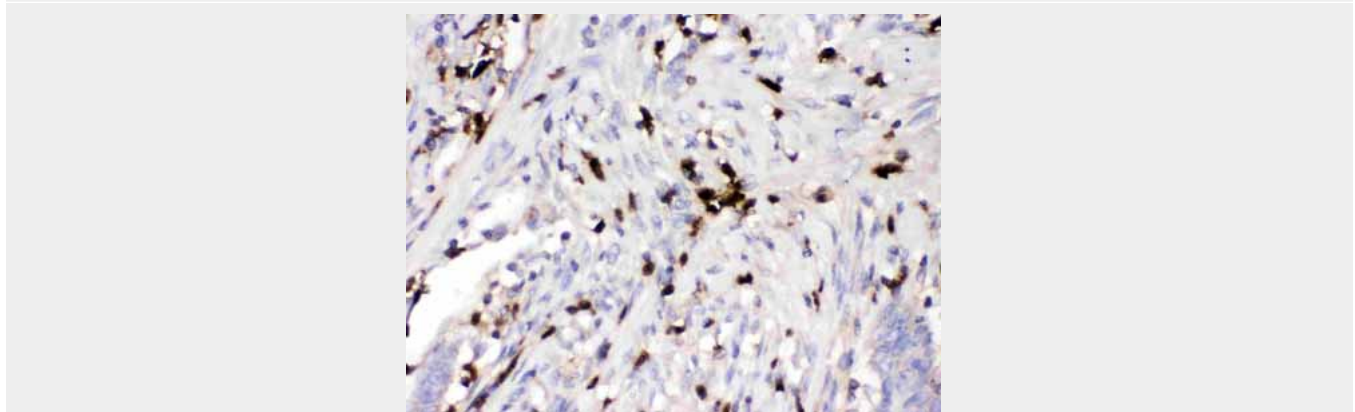
Provided below are standard protocols that you may find useful for product applications.

- [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.