

Anti-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated
Alpha-1-Acid Glycoprotein Antibody Peroxidase Conjugated
Catalog # ASR4503**Specification****Anti-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated - Product Information**

Host	Rabbit
Conjugate	Peroxidase (Horseradish)
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Alpha-1-Acid Glycoprotein peroxidase Antibody has been tested by ELISA and dot blot and is suitable for Western Blot and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	a-1-Acid Glycoprotein [Human Plasma]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Anti-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated - Additional Information**Gene ID** 5004**Other Names**
5004**Purity**

Anti-Alpha-1-Acid Glycoprotein Antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified a-1-Acid Glycoprotein [Human Plasma]. Cross reactivity against a-1-Acid Glycoprotein from other sources is unknown.

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated - 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-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated - 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-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated - Images**Anti-ALPHA-1-ACID GLYCOPROTEIN (RABBIT) Antibody Peroxidase Conjugated - Background**

Alpha-1-Acid Glycoprotein Antibody detects alpha-1-acid glycoprotein (AGP or AAG.) Alpha-1-acid glycoprotein is an acute phase (acute phase protein) plasma alpha-globulin glycoprotein and is modulated by two polymorphic genes. It is synthesized primarily in hepatocytes and has a normal plasma concentration between 0.6-1.2 mg/mL (1-3% plasma protein).[1] Plasma levels are affected by pregnancy, certain drugs, and certain diseases, particularly HIV. The only established function of ORM is to act as a carrier of basic and neutrally charged lipophilic compounds. In medicine, it is known as the primary carrier of basic drugs (whereas albumin carries acidic drugs), steroids, and protease inhibitors. Aging causes a small decrease in plasma albumin levels; if anything, there is a small increase in α 1 acid glycoprotein. The effect of these changes on drug protein binding and drug delivery, however, appear to be minimal. Anti-Alpha-1-Acid Glycoprotein Antibody is ideal for investigators involved in infectious disease and cell cycle protein research.