

Datasheet for 200-406-046S**Alpha-1-Acid Glycoprotein Antibody Biotin Conjugated****Overview**

Description:	Anti-Alpha-1-Acid Glycoprotein (Human Plasma) (RABBIT) Antibody Biotin Conjugated - 200-406-046S
Item No.:	200-406-046S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Alpha-1-Acid Glycoprotein antibody detects Alpha-1-Acid Glycoprotein . Alpha-1-Acid Glycoprotein belongs to the calycin superfamily and functions as an transport protein in the blood stream. It binds various ligands in the interior of its beta-barrel domains. It also binds synthetic drugs and influences their distribution and availability in the body. Alpha-1-Acid Glycoprotein appears to function in modulating the activity of the immune system during an acute-phase reaction. Acid Glycoprotein expression is controlled by glucocorticoids, interleukin-1 and interleukin-6. Anti-Alpha-1-Acid Glycoprotein Antibody is ideal for investigators involved in Cell Signaling, Immunology, Neuroscience and Cell Biology research.
Synonyms:	rabbit anti-Alpha-1-Acid Glycoprotein Antibody biotin Conjugation, biotin conjugated rabbit anti-Alpha-1-Acid Glycoprotein 1 Antibody, AGP1, AGP 1, OMD 1, OMD1, Orosomucoid-1, agpa antibody, Alpha 1 agp antibody, Glycoprotein alpha acid of serum antibody
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ORM1
Reactivity:	Human

Immunogen Type:	Native Protein
Immunogen:	Anti-Acid Glycoprotein Antibody was produced by repeated immunizations with a-1-Acid Glycoprotein isolated from human plasma.
Purity/Specificity:	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-Biotin, 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 may occur but has not been specifically determined.
Relevant Links:	• UniProtKB - P02763 • NCBI - NP_000598.2 • GeneID - 5004

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Alpha-1-Acid Glycoprotein Biotin Antibody has been tested by ELISA and western blot and is assayed against 1.0 ug of a-1-Acid Glycoprotein in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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