

Product datasheet for **R1044PS**

Alpha 1 Acid Glycoprotein (ORM1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/135,000. Western blot: 1/2,000-1/10,000. Immunohistochemistry: Paraffin (FFPE) or Frozen sections; 1/100 suggested to begin.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Alpha-1-acid glycoprotein (AGP1) from human plasma
Specificity:	This antibody detects human Alpha-1-acid glycoprotein (ORM1 / AGP1). Immunoelectrophoresis give a single precipitin arc against anti-rabbit serum as well as purified and partially purified AGP1 from human plasma.
Formulation:	0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2 State: Purified State: Lyophilized purified Ig fraction Preservative: 0.01% Sodium azide
Reconstitution Method:	Restore with 0.1 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Multistep process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	orosomuroid 1
Database Link:	Entrez Gene 5004 Human P02763



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Background:

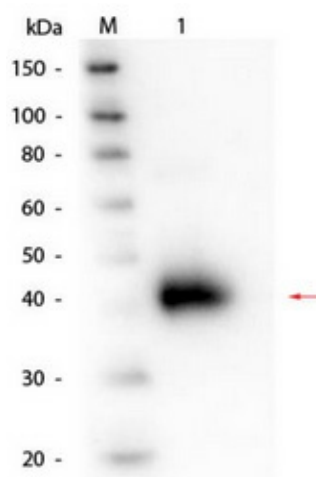
Alpha 1 Acid Glycoprotein (AGP) is an acute phase plasma protein synthesized by the liver. The protein is believed to regulate the interaction between blood cells and endothelial cells, and together with haptoglobin and C reactive protein, also regulates the extravasation of the cells during infection and inflammation. AGP is a major acute phase reactant, both in human and in rat. In human plasma, AGP (44 kDa) is found at levels of 0.5-1.4 mg/ml. Its concentration in blood plasma is elevated during acute inflammation, such as trauma, malignancies, myocardial infarction, rheumatoid arthritis, bacterial infections, after major surgery, in cases of chronic pain etc, and can be used for the diagnosis of inflammatory conditions.

Synonyms:

Orosomucoid-1, OMD1, Alpha-1-acid glycoprotein 1

Note:

Conjugates available. Please ask for details.

Product images:

Western blot of ORM1/Alpha-1-acid glycoprotein antibody. [R1044P]. Lane 1: Human AGP1. Load: 50 ng. Primary antibody: Anti human ORM1/AGP1 antibody at 1/1,000 overnight at 4°C. Secondary antibody: HRP conjugated rabbit secondary antibody at 1/40,000 for 30 min at RT. Blocking buffer for 30 min at RT. Predicted at 24 kDa / Observed at 40 kDa; protein migrates at 40 kDa.