

Rabbit anti-Human Zinc Alpha 2 Glycoprotein/AZGP1 Polyclonal Antibody | anti-AZGP1 antibody

Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255662	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

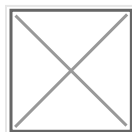
PRODUCT SYNONYMS

Zinc Alpha 2 Glycoprotein/AZGP1; Polyclonal Antibody; Anti-Zinc Alpha 2 Glycoprotein/AZGP1 Antibody; Rabbit Polyclonal; Zinc Alpha 2 Glycoprotein Antibody; Rabbit PAb; Antigen Affinity Purified; alpha-2-glycoprotein 1; zinc-binding; Anti-ZA2G Antibody; Anti-ZAG Antibody; anti-AZGP1 antibody

PRODUCT SPECIFICATIONS

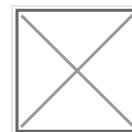
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Zinc Alpha 2 Glycoprotein
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-AZGP1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Zinc Alpha 2 Glycoprotein Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Zinc Alpha 2 Glycoprotein (rh Zinc Alpha 2 Glycoprotein). Zinc Alpha 2 Glycoprotein specific IgG was purified by Human Zinc Alpha 2 Glycoprotein affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

AZGP1 was immunoprecipitated using: Lane A: 0.5 mg Colo-205 Whole Cell Lysate 2 uL anti-AZGP1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-AZGP1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 43 kDa.

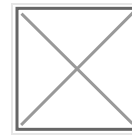


IHC (Immunohistochemistry)

Immunochemical staining of human AZGP1 in human prostate with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohistochemistry)**

Immunochemical staining of human AZGP1 in human liver with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

**WB (Western Blot)**

Anti-AZGP1 rabbit polyclonal antibody at 1:500 dilution Lane A: COLO205 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa Observed band size: 44 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AZGP1 antibody	Alpha-2-glycoprotein, also known as AZGP1, belongs to the MHC class I family. It can be detected in body fluids such as serum, sweat, and seminal and breast cyst fluids. It has been shown that alpha-2-glycoprotein can stimulate lipolysis by adipocytes in vivo and in vitro. Thus it is believed that alpha-2-glycoprotein plays an important role in the regulation of body weight, and age-dependent changes in genetically influenced obesity, and it also regulates melanin production by normal and malignant melanocytes. Alpha-2-glycoprotein is produced by both white and brown fat adipocytes and may act in a local autocrine fashion in the reduction of adiposity in cachexia.
References	Tada T, et al. (1991) Immunohistochemical localization of Zn-alpha 2-glycoprotein in normal human tissues. J Histochem Cytochem. 39(9):1221-6. Vanni H, et al. (2009) Cigarette Smoking Induces Overexpression of a Fat-Depleting Gene AZGP1 in the Human. Chest. 135(5):1197-208. Ueyama H, et al. (1991) Cloning and nucleotide sequence of a human Zn-alpha 2-glycoprotein cDNA and chromosomal assignment of its gene. Biochem Biophys Res Commun. 177(2):696-703.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502337
NCBI GeneID	563
NCBI Accession #	NP_001176.1
NCBI GenBank Nucleotide #	NM_001185.3
UniProt Accession #	P25311 ; O60386 ; Q5XKQ4 ; Q8N4N0 ; D6W5T8
Molecular Weight	34,259 Da
NCBI Official Full Name	zinc-alpha-2-glycoprotein
NCBI Official Synonym Full Names	alpha-2-glycoprotein 1, zinc-binding
NCBI Official Symbol	AZGP1
NCBI Official Synonym Symbols	ZAG; ZA2G
NCBI Protein Information	zinc-alpha-2-glycoprotein; zn-alpha-2-GP; Zn-alpha2-glycoprotein; zn-alpha-2-glycoprotein; Alpha-2-glycoprotein, zinc
UniProt Protein Name	Zinc-alpha-2-glycoprotein
UniProt Gene Name	AZGP1
UniProt Synonym Gene Names	ZAG; ZNGP1; Zn-alpha-2-GP
UniProt Entry Name	ZA2G_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zinc-alpha-2-glycoprotein-azgp1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255662>