

Goat alpha 1 Antitrypsin Polyclonal Antibody | anti-SERPINA1 antibody

alpha 1 Antitrypsin antibody (biotin)

CATALOG # AAA74991	HOST Goat	APPLICATIONS Western Blot, ELISA
------------------------------	---------------------	--

PRODUCT SYNONYMS

alpha 1 Antitrypsin; Polyclonal Antibody; alpha 1 Antitrypsin antibody (biotin); Polyclonal alpha 1 antitrypsin; Anti-alpha 1 antitrypsin; alpha 1 protease inhibitor; A1AT; AAT; alpha 1 antiproteinase; Alpha-1 Antitrypsin; Alpha 1 Anti Trypsin; anti-SERPINA1 antibody

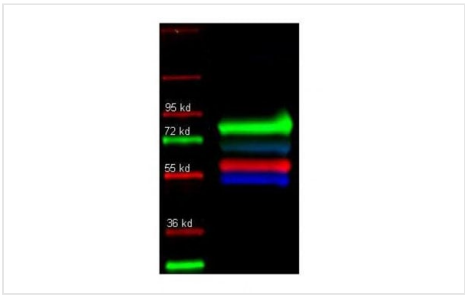
PRODUCT SPECIFICATIONS

Host	Goat
Clonality	Polyclonal
Specificity	Human alpha 1 Antitrypsin
Purity/Purification	alpha 1 Antitrypsin antibody (biotin) was purified by ion exchange chromatography followed by dialysis.
Form/Format	Lyophilized from 0.02M K3PO4, pH 7.2, with 0.15M NaCl, 10 mg/ml BSA, and 0.01% NaN3. Immunoglobulin and protease free.
Sequence Length	418
Applicable Applications for anti-SERPINA1 antibody	WB (Western Blot), ELISA
Biological Significance	Alpha 1-Antitrypsin or alpha1-antitrypsin (A1AT) is a protease inhibitor belonging to the serpin superfamily. It is generally known as serum trypsin inhibitor. Alpha 1-antitrypsin is also referred to as alpha-1 proteinase inhibitor (A1PI) because it inhibits a wide variety of proteases.
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.
Tag/Conjugate	Biotin
Immunogen	alpha 1 Antitrypsin antibody (biotin) was raised in goat using human alpha-1-anti-Trypsin as the immunogen.
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.

IMAGES



WB (Western Blot)
Western Blot of alpha 1 Antitrypsin antibody. y. Lane 1: alpha 1 Antitrypsin under reducing conditions. Lane 2: none. Load: 1 ug per lane. alpha 1 Antitrypsin antibody at 1:3000 for overnight at 4 deg C. Dylight 488 conjugated Donkey anti Goat secondary antibody at 1:10,000 for 45 min at RT. Block: Blocking buffer overnight at 4 deg C. Size: 55kDa for alpha 1 Antitrypsin



WB (Western Blot)
Western Blot of Alpha 1 anti trypsin antibody. Lane 1: molecular weight. Lane 2: Human transferrin (green); Alpha 1 anti trypsin (red); and Human IgG (Blue) in a multiplex fluorescent western blot of human serum. Load: 35 ug per lane. Each primary antibody was diluted to 1:1000 for overnight at 4 deg C. Rabbit IgG (H&L) antibody DyLight649 Conjugated (green), Goat IgG (H&L) antibody DyLight549 Conjugated (red), Mouse IgG (H&L) antibody DyLight488 Conjugated (blue)secondary antibody at 1:10,000 for ~ 1hr at 4 degrees. Block: IRdye blocking buffer overnight at 4 deg C.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Goat polyclonal alpha 1 Antitrypsin antibody (biotin) conjugated
Product Categories/Family for anti-SERPINA1 antibody	Proteases; Inhibitors; & Enzymes; Conjugated Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	177831
NCBI GeneID	5265
UniProt Accession #	P01009; Q0PVP5; Q13672; Q53XB8; Q5U0M1; Q7M4R2; Q86U18; Q86U19; Q96BF9; Q96ES1; A6PX14; B2RDQ8
Molecular Weight	34,755 Da
NCBI Official Full Name	alpha-1-antitrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
NCBI Official Symbol	SERPINA1
NCBI Official Synonym Symbols	PI; A1A; AAT; PI1; A1AT; PRO2275; alpha1AT
NCBI Protein Information	alpha-1-antitrypsin
UniProt Protein Name	Alpha-1-antitrypsin
UniProt Gene Name	SERPINA1
UniProt Synonym Gene Names	AAT; PI; SPAAT
UniProt Entry Name	A1AT_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.