

Rabbit anti-Human SERPINA1/Alpha 1 Antitrypsin Polyclonal Antibody | anti-SERPINA1 antibody

SERPINA1/Alpha 1 Antitrypsin Rabbit anti-Human Polyclonal (C-Terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA163103	Rabbit	Human	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

SERPINA1/Alpha 1 Antitrypsin; Polyclonal Antibody; SERPINA1/Alpha 1 Antitrypsin Rabbit anti-Human Polyclonal (C-Terminus) Antibody; PathPlus SERPINA1/Alpha 1 Antitrypsin Antibody (C-Terminus); SERPINA1; A1A; A1AT; AAT; Alpha 1 Antitrypsin; Alpha-1 protease inhibitor; Alpha-1-antiproteinase; Alpha-1-antitrypsin; Alpha1AT; PRO2275; Alpha-1-antitrypsin null; PI1; Serpin A1; Alpha 1 AT; anti-SERPINA1 antibody

PRODUCT SPECIFICATIONS

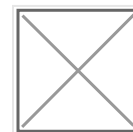
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human SERPINA1/Alpha-1-Antitrypsin
Purity/Purification	Protein A purified
Form/Format	PBS, 0.09% sodium azide, 2% sucrose
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SERPINA1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target	Human SERPINA1/Alpha 1 Antitrypsin
Immunogen	Synthetic peptide from C-Terminus of human SERPINA1 (P01009, NP_000286). Percent identity by BLAST analysis: Human (100%).
Conjugation	Unconjugated
Epitope	C-Terminus
Preparation and Storage	Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

SERPINA1/Alpha 1 Antitrypsin Antibody-Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

SERPINA1/Alpha 1 Antitrypsin Antibody-Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

SERPINA1/Alpha 1 Antitrypsin Antibody-HepG2 Cell Lysate. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Alpha 1 Antitrypsin antibody is an unconjugated rabbit polyclonal antibody to human Alpha 1 Antitrypsin (SERPINA1)(C-Terminus). Validated for IHC and WB. SERPINA1 (also known as Alpha 1 Antitrypsin) is an inhibitor of serine proteases that primarily targets elastase but also has a moderate affinity for plasmin and thrombin. Its major physiological function is the protection of the lower respiratory tract against proteolytic destruction by human leukocyte elastase (HLE). The aberrant form of SERPINA1 inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin. SERPINA1 is a secreted protein, and in immunohistochemistry it has plasma and extracellular matrix positivity in most tissues throughout the body.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804

NCBI AND UNIPROT INFORMATION

NCBI GI #	177831
NCBI GeneID	5265
UniProt Accession #	P01009; K02212; Q13747; Q2L9S7; Q3I0J7; Q9P173
Molecular Weight	46,737 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; serpin A1; alpha-1-antiproteinase; alpha-1-antitrypsin null; alpha-1 protease inhibitor; protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin; serine (or cysteine) proteinase inhibitor, clade A, member 1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/serpina1-alpha-1-antitrypsin-antibody-western-blot-immunohistochemistry-elisa/163103>