

Rabbit anti-Human alpha 1 Antitrypsin Polyclonal Antibody | anti-SERPINA1 antibody

alpha 1 Antitrypsin antibody

CATALOG # AAA14320	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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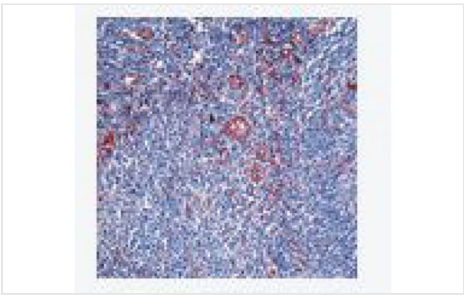
PRODUCT SYNONYMS

alpha 1 Antitrypsin; Polyclonal Antibody; alpha 1 Antitrypsin antibody; Polyclonal alpha 1 Antitrypsin; Anti-alpha 1 Antitrypsin; A1AT; alpha 1; alpha-1 Antitrypsin; A1-AT; anti-SERPINA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human
Form/Format	Purified antibody fraction from rabbit serum supplied in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% NaN ₃ .
Concentration	1.0 ml per vial (varies by lot)
Sequence Length	418
Applicable Applications for anti-SERPINA1 antibody	IHC (Immunohistochemistry)
Application Notes	IHC-F: 1:100-1:200 IHC-P: 1:100-1:200
Biological Significance	Alpha-1-antitrypsin (alpha-1-AT) exists in a number of genetic variants. MM variant is the most common. Alpha-1-AT is synthesized in the liver and it acts as an inhibitor of proteases such as trypsin, elastase, chymotrypsin, collagenase, leucocytic proteases, plasmin, and thrombin, which may be released during inflammatory reactions in the lung. In the absence of alpha-1-AT, these enzymes are not inhibited and they may digest pulmonary parenchyma. Alpha-1-AT deficiency is associated with chronic obstructive lung disease (emphysema) and less frequently with hepatic cirrhosis in infants and respiratory distress of the newborn. Increase in alpha-1-AT occurs as an acute phase response to tissue necrosis and inflammation. Serum level of alpha-1-AT is elevated in rheumatoid arthritis, bacterial infections, vasculitis, and carcinomatosis.
Cross-Reactivity	Baboon, horse, mink, monkey
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.
Immunogen	Alpha 1 antitrypsin antibody was raised in rabbit using purified human serum Alpha-1-AT as the immunogen.
Preparation and Storage	Store at 4 degree C.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human tonsil stained with a-1-Antitrypsin (AAT) antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of endothelial cells.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Rabbit polyclonal alpha 1 Antitrypsin antibody
Product Categories/Family for anti-SERPINA1 antibody	Proteases ; Inhibitors ; & Enzymes

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-1-antitrypsin-antibody-immunohistochemistry-elisa/14320>