

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

A-1-Antitrypsin

CATALOG # AAA59424	HOST Rabbit	REACTIVITY Human
------------------------------	-----------------------	----------------------------

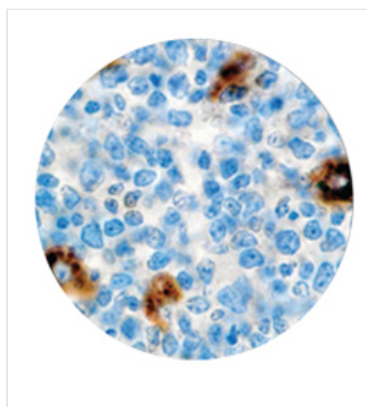
PRODUCT SYNONYMS

A-1-Antitrypsin; Polyclonal Antibody; anti-SERPINA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Form/Format	Alpha-1-Antitrypsin is a purified immunoglobulin fraction of rabbit antiserum that is filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Tonsil, Lymph Node
Localization	Cytoplasmic
Reactivity Note	Paraffin, Frozen
Note	Concentrated Alpha-1-Antitrypsin antibody should be diluted to its working dilution in ImmunoDNA Background Blocker
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohiostchemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:500-1:2000	0.1 ml
Concentrated	1:500-1:2000	0.5 ml
Concentrated	1:500-1:2000	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Alpha-1-Antitrypsin (A1AT) is a glycoprotein generally known as serum trypsin inhibitor. Alpha-1-Antitrypsin is also referred to as alpha-1 proteinase inhibitor (A1PI) because it is a serine protease inhibitor (serpin), inhibiting a wide variety of proteases. It protects tissues from enzymes of inflammatory cells, especially elastase, and has a reference range in blood of 1.5 – 3.5 gram/liter (in the U.S. the reference range is generally expressed as mg/dL or micromoles), but the concentration can rise many fold upon acute inflammation. In its absence, elastase is free to break down elastin, which contributes to the elasticity of the lungs, resulting in respiratory complications such as emphysema, or COPD (Chronic Obstructive Pulmonary Disease) in adults and cirrhosis in adults or children. Alpha-1-Antitrypsin is considered to be very useful in the study of inherited AAT deficiency, benign and Malignant Hepatic Tumors and Yolk-Sac Carcinomas. Positive staining for A-1-Antitrypsin may also be used in detection of benign and malignant lesions of a histiocytic nature. Sensitivity and specificity of the results have made this antibody a useful tool in the screening of patients with Cryptogenic Cirrhosis or other forms of liver disease with portal fibrosis of unknown etiology.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1703025
NCBI GeneID	5265
NCBI Accession #	P01009.3
NCBI GenBank Nucleotide #	P01009
UniProt Accession #	P01009; Q0PVP5; Q13672; Q53XB8; Q5U0M1; Q7M4R2; Q86U18; Q86U19; Q96BF9; Q96ES1; A6PX14; B2RDQ8; 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; MGC9222; PRO2275; MGC23330; alpha1AT
NCBI Protein Information	alpha-1-antitrypsin; serpin A1; OTTHUMP00000197150; OTTHUMP00000197151; OTTHUMP00000197152; OTTHUMP00000197153; OTTHUMP00000197154; alpha-1-antiproteinase; 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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/a-1-antitrypsin-antibody-elisa/59424>