



Anti-SERPINA1 monoclonal antibody, clone 1AT (CABT-49282MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product recognises human alpha-1 antitrypsin, a serine protease inhibitor synthesized by the liver. Hereditary deficiency of this protein is associated with pulmonary emphysema and with liver disease, due to the loss of inhibition of neutrophil elastase activity. This antibody shows minimal reactivity with other serum proteins including alpha- 1-antichymotrypsin.
Specificity	ALPHA 1 ANTITRYPSIN
Immunogen	Purified human serum alpha-1-antitrypsin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	1AT
Conjugate	Unconjugated
Applications	ELISA
Format	Purified IgG - liquid
Size	1 mg
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	SERPINA1 serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 [Homo sapiens (human)]
Official Symbol	SERPINA1
Synonyms	SERPINA1; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1; PI; A1A; AAT; PI1; A1AT; PRO2275; alpha1AT; alpha-1-antitrypsin; serpin A1; alpha-1-antiproteinase; alpha-1-antitrypsin null; alpha-1 protease inhibitor; protea
Entrez Gene ID	5265
Protein Refseq	NP_000286
UniProt ID	P01009
Chromosome Location	14q32.1
Pathway	Complement and Coagulation Cascades; Complement and coagulation cascades; FOXA1 transcription factor network; Hemostasis; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca2+;
Function	glycoprotein binding; identical protein binding; protease binding; protein binding; serine-type endopeptidase inhibitor activity;