

Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody
Catalog # ABO13943**Specification****Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP
Primary Accession	P01009
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.

Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody - Additional Information

Gene ID 5265

Other Names

Alpha-1-antitrypsin, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, Serpin A1, Short peptide from AAT, SPAAT, SERPINA1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=8941), AAT, PI

Calculated MW

46737 MW KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:30

Subcellular Localization

Secreted. Endoplasmic reticulum. The S and Z allele are not secreted effectively and accumulate intracellularly in the endoplasmic reticulum.

Tissue Specificity

Ubiquitous. Expressed in leukocytes and plasma..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human SERPINA1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody - Protein Information

Name SERPINA1 ([HGNC:8941](#))

Synonyms AAT, PI

Function

Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin.

Cellular Location

Secreted. Endoplasmic reticulum. Note=The S and Z allele are not secreted effectively and accumulate intracellularly in the endoplasmic reticulum

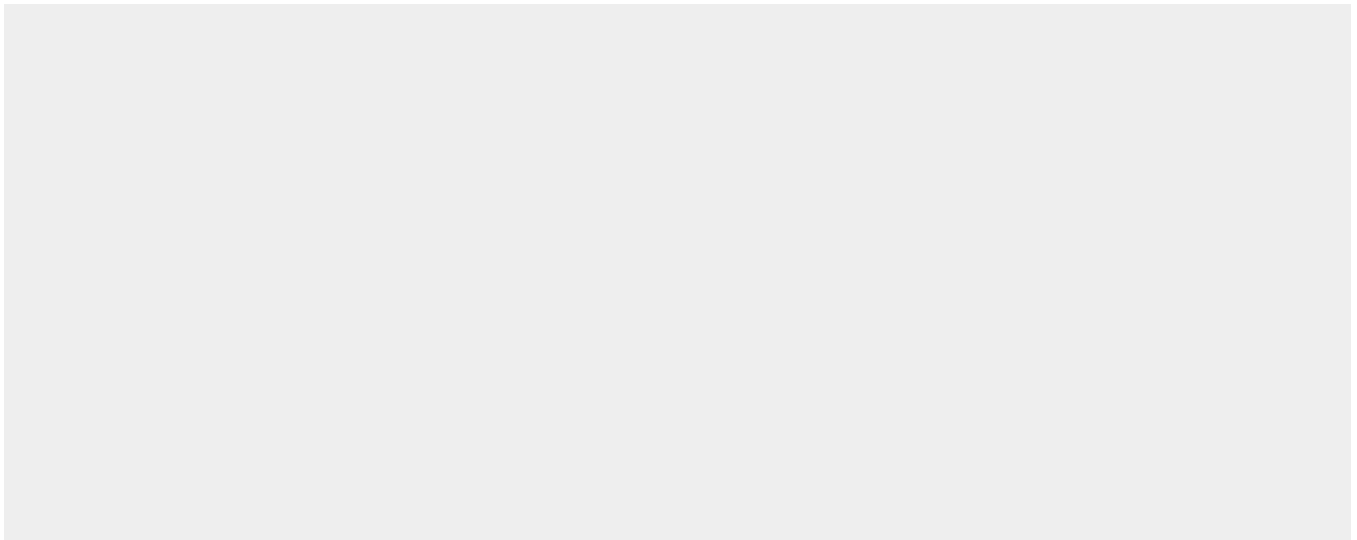
Tissue Location

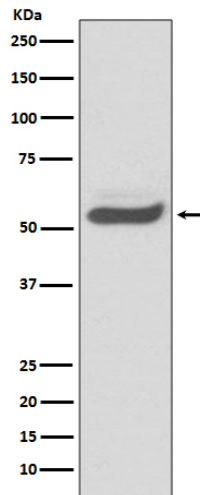
Ubiquitous. Expressed in leukocytes and plasma.

Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SERPINA1/Alpha 1 Antitrypsin Rabbit Monoclonal Antibody - Images



Western blot analysis of SERPINA1 expression in human fetal kidney lysate.