

anti-Mouse, Rat SERPINA1 Polyclonal Antibody | anti-SERPINA1 antibody

Anti-SERPINA1 Antibody

CATALOG # AAA46489	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	---------------------------------	---

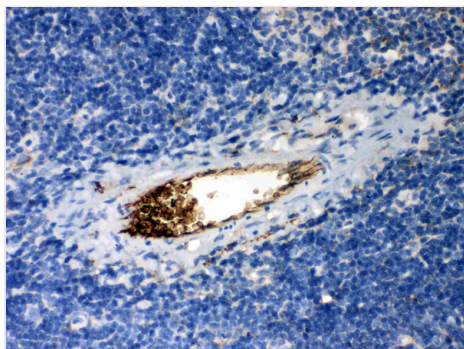
PRODUCT SYNONYMS

SERPINA1; Polyclonal Antibody; Anti-SERPINA1 Antibody; Alpha-1-antitrypsin; A1A; A1AT; A1AT_HUMAN; AAT; Alpha 1 antitrypsin; Alpha 1 antitrypsin null; Alpha 1 protease inhibitor; Alpha-1 protease inhibitor; alpha-1-AT; alpha1 PI; alpha1 proteinase inhibitor; Alpha1AT; Clade A (alpha 1 antitrypsin) member 1; Dom1; MGC23330; MGC9222; PI; P11; PRO2275; Protease inhibitor 1 (anti elastase); Serine (or cysteine) proteinase inhibitor clade A member 1; Serine protease inhibitor 1-1; Serine protease inhibitor A1a; Serpin A1; Serpin A1a; Serpin peptidase inhibitor clade A (alpha 1 antitrypsin) member 1; Serpin peptidase inhibitor clade A member 1; SerpinA1; Short peptide from AAT; SPAAT; Spi1-1; serpin peptidase inhibitor; clade A (alpha-1 antitrypsin); member 1; anti-SERPINA1 antibody

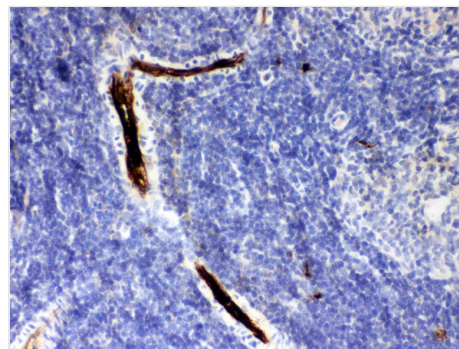
PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	411
Applicable Applications for anti-SERPINA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived rat SERPINA1 recombinant protein (Position: K211-R411). Rat SERPINA1 shares 66% amino acid (aa) sequence identity with human SERPINA1.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

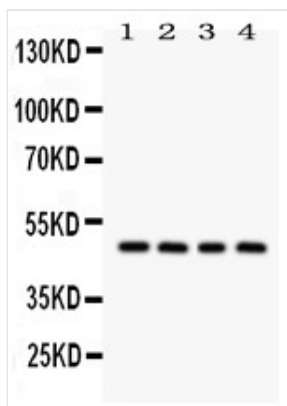
IMAGES



IHC (Immunohistochemistry)
Anti- SERPINA1 Picoband antibody, AAA46489, IHC(P)IHC(P): Mouse Spleen Tissue



IHC (Immunohistochemistry)
Anti- SERPINA1 Picoband antibody, AAA46489, IHC(P)IHC(P): Rat Spleen Tissue



WB (Western Blot)

Anti- SERPINA1 Picoband antibody, AAA46489, Western blottingAll lanes: Anti SERPINA1 (AAA46489) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 50ugLane 2: Mouse Testis Tissue Lysate at 50ugLane 3: Rat Liver Tissue Lysate at 50ugLane 4: Mouse Liver Tissue Lysate at 50ugPredicted bind size: 47KDObserved bind size: 47KD

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA1 antibody	Description: Rabbit IgG polyclonal antibody for Alpha-1-antiproteinase(SERPINA1) detection. Tested with WB, IHC-P in Mouse;Rat. Background: SERPINA1 is also known as PI, A1A or AAT. The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene.
References	1. Mixture-based combinatorial libraries from small individual peptide libraries: a case study on 1-antitrypsin deficiency.Chang YP, et al. Molecules, 2014 May 16. 2. Serpin peptidase inhibitor clade A member 1 is a biomarker of poor prognosis in gastric cancer.Kwon CH, et al. Br J Cancer, 2014 Nov 11. 3. Alpha 1-antitrypsin therapy mitigated ischemic stroke damage in rats.Moldthan HL, et al. J Stroke Cerebrovasc Dis, 2014 May-Jun.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51036655
NCBI GeneID	24648
NCBI Accession #	NP_071964.2
NCBI GenBank Nucleotide #	NM_022519.2
UniProt Accession #	P17475; Q6AYZ5
Molecular Weight	46,136 Da
NCBI Official Full Name	alpha-1-antiproteinase
NCBI Official Synonym Full Names	serpin family A member 1
NCBI Official Symbol	Serpina1
NCBI Official Synonym Symbols	Pi; AAT; Spi1
NCBI Protein Information	alpha-1-antiproteinase
UniProt Protein Name	Alpha-1-antiproteinase
UniProt Gene Name	Serpina1
UniProt Entry Name	A1AT_RAT

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/serpina1-antibody-immunohistochemistry-western-blot-elisa/46489>