

Anti-SERPINA1 Picoband Antibody

Catalog # ABO12045

Product Information

Application	WB, IHC-P
Primary Accession	P17475
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Alpha-1-antiproteinase(SERPINA1) detection. Tested with WB, IHC-P in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	24648
Other Names	Alpha-1-antiproteinase, Alpha-1-antitrypsin, Alpha-1-proteinase inhibitor, Serpin A1, Serpina1
Calculated MW	46136
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	Plasma. .
Source	Eukaryota
Protein Name	Alpha-1-antiproteinase
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived rat SERPINA1 recombinant protein (Position: K211-R411). Rat SERPINA1 shares 66% amino acid (aa) sequence identity with human SERPINA1.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

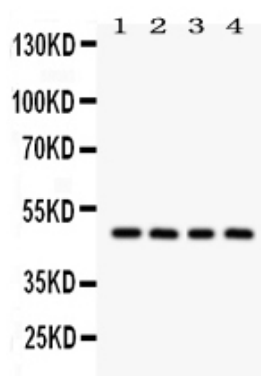
Protein Information

Name	Serpina1
Function	Inhibitor of serine proteases. The primary target is elastase, but also has a moderate affinity for plasmin and thrombin.
Cellular Location	Secreted.
Tissue Location	Plasma..

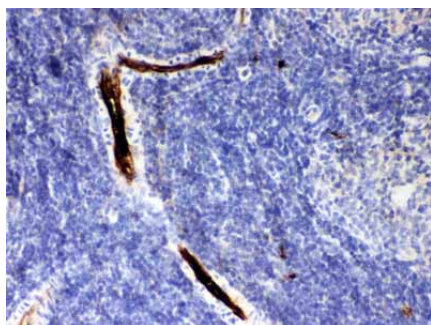
Background

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.

Images

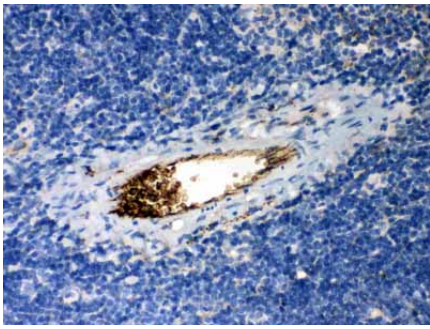


Anti- SERPINA1 Picoband antibody, ABO12045, Western blotting
All lanes: Anti SERPINA1 (ABO12045) at 0.5ug/ml
Lane 1: Rat Testis Tissue Lysate at 50ug
Lane 2: Mouse Testis Tissue Lysate at 50ug
Lane 3: Rat Liver Tissue Lysate at 50ug
Lane 4: Mouse Liver Tissue Lysate at 50ug
Predicted bind size: 47KD
Observed bind size: 47KD



Anti- SERPINA1 Picoband antibody, ABO12045,
IHC(P)
IHC(P): Rat Spleen Tissue

Anti- SERPINA1 Picoband antibody, ABO12045,
IHC(P)
IHC(P): Mouse Spleen Tissue



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.