

SERPING1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6673b**Specification**

SERPING1 Antibody (Center) - Product Information

Application	IF, IHC-P, WB,E
Primary Accession	P05155
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55154
Antigen Region	285-314

SERPING1 Antibody (Center) - Additional Information**Gene ID** 710**Other Names**

Plasma protease C1 inhibitor, C1 Inh, C1Inh, C1 esterase inhibitor, C1-inhibiting factor, Serpin G1, SERPING1, C1IN, C1NH

Target/Specificity

This SERPING1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-314 amino acids from the Central region of human SERPING1.

Dilution

IF~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SERPING1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SERPING1 Antibody (Center) - Protein Information**Name** SERPING1

Synonyms C1IN, C1NH

Function Serine protease inhibitor, which acts as a regulator of the classical complement pathway (PubMed:[10946292](#), PubMed:[11527969](#), PubMed:[3458172](#), PubMed:[6416294](#)). Forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases (PubMed:[10946292](#), PubMed:[3458172](#), PubMed:[6416294](#)). May also regulate blood coagulation, fibrinolysis and the generation of kinins (PubMed:[8495195](#)). Very efficient inhibitor of FXIIa. Inhibits chymotrypsin and kallikrein (PubMed:[8495195](#)).

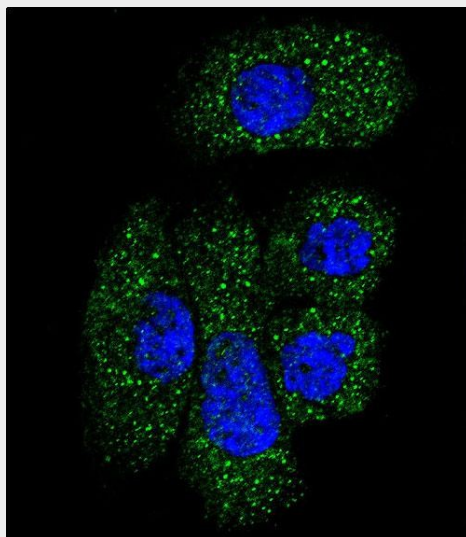
Cellular Location

Secreted

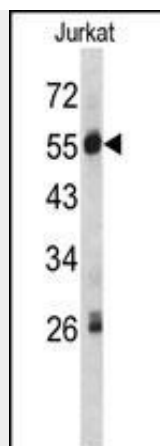
SERPING1 Antibody (Center) - Protocols

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

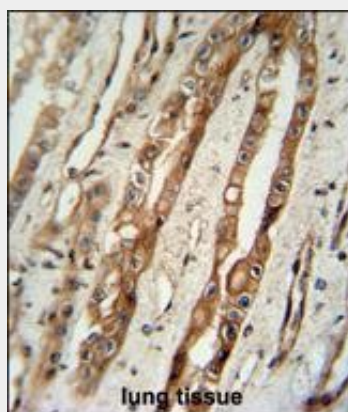
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SERPING1 Antibody (Center) - Images

Confocal immunofluorescent analysis of SERPING1 Antibody (Center)(Cat#AP6673b) with NCI-H292 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of SERPING1 antibody (Center) (Cat. #AP6673b) in Jurkat cell line lysates (35ug/lane). SERPING1 (arrow) was detected using the purified Pab.



SERPING1 Antibody (Center) (Cat. #AP6673b) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SERPING1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

SERPING1 Antibody (Center) - Background

SERPING1 is a highly glycosylated plasma protein involved in the regulation of the complement cascade. This protein inhibits activated C1r and C1s of the first complement component and thus regulates complement activation. Deficiency of this protein is associated with hereditary angioneurotic oedema (HANE).

SERPING1 Antibody (Center) - References

Park, K.H., Mol. Vis. 15, 200-207 (2009)
Gosswein, T., Cytogenet. Genome Res. 121 (3-4), 181-188 (2008)