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SERPING1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6673b

Specification

SERPING1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P05155

SERPING1 Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP6673b was selected from the Center region of human SERPING1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SERPING1 Antibody (Center) Blocking Peptide - Protein Information

Name SERPING1

Synonyms C1IN, C1NH

Function
Activation of the C1 complex is under control of the C1- inhibitor. It forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play a potentially crucial role in regulating important physiological pathways including complement activation, blood coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. Inhibits chymotrypsin and kallikrein.

Cellular Location
Secreted.

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SERPING1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

SERPING1 Antibody (Center) Blocking Peptide - Images

SERPING1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References

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