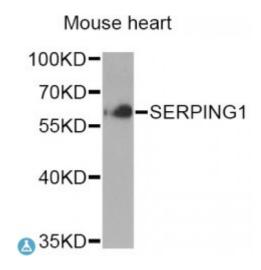


Anti-SERPING1 Antibody



Description This gene encodes a highly glycosylated plasma protein involved in the

regulation of the complement cascade. Its 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). Alternative splicing results in

multiple transcript variants encoding the same isoform.

Model STJ114281

Host Rabbit

Reactivity Human, Mouse, Rat

Applications IHC, WB

Immunogen Recombinant fusion protein containing a sequence corresponding to amino

acids 201-500 of human SERPING1 (NP_001027466.1).

Gene ID 710

Gene Symbol SERPING1

Dilution range WB 1:500 - 1:2000

IHC 1:50 - 1:200

Purification Affinity purification

Note For Research Use Only (RUO).

Protein Name Plasma protease C1 inhibitor C1 Inh C1Inh C1 esterase inhibitor C1-inhibiting

factor Serpin G1

Molecular Weight 55.154 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Storage Instruction Store at -20C. Avoid freeze / thaw cycles.

Database Links HGNC:1228OMIM:106100Reactome:R-HSA-114608

Alternative Names Plasma protease C1 inhibitor C1 Inh C1Inh C1 esterase inhibitor C1-inhibiting

factor Serpin G1

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 Localization Secreted

Post-translational Highly glycosylated (49%) with N- and O-glycosylation, O-glycosylated with **Modifications** core 1 or possibly core 8 glycans, N-glycan heterogeneity at Asn-25:

core 1 or possibly core 8 glycans, N-glycan heterogeneity at Asn-25: Hex5HexNAc4 (minor), dHex1Hex5HexNAc4 (minor), Hex6HexNAc5

(major) and dHex1Hex6HexNAc5 (minor),

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com