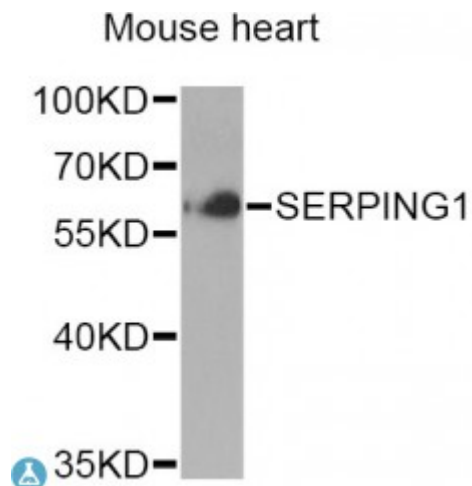


Anti-SERPING1 Antibody



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 Modifications	Highly glycosylated (49%) with N- and O-glycosylation, O-glycosylated with core 1 or possibly core 8 glycans, N-glycan heterogeneity at Asn-25: Hex5HexNAc4 (minor), dHex1Hex5HexNAc4 (minor), Hex6HexNAc5 (major) and dHex1Hex6HexNAc5 (minor),

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