

ARG58286 anti-SERPING1 / C1 Inhibitor antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SERPING1 / C1 Inhibitor
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SERPING1 / C1 Inhibitor
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 351-379 of Human SERPING1 / C1 Inhibitor.
Conjugation	Un-conjugated
Alternate Names	C1IN; C1INH; C1-inhibiting factor; Serpin G1; C1 esterase inhibitor; Plasma protease C1 inhibitor; C1 Inh; HAE2; C1Inh; C1NH; HAE1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human blood plasma	

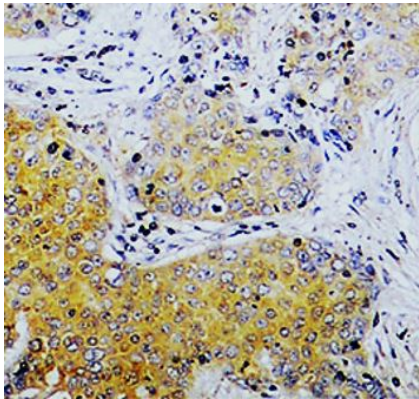
Properties

Form	Liquid
Purification	Purified
Buffer	PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SERPING1
Gene Full Name	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
Background	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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	55 kDa
PTM	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). Can be proteolytically cleaved by E.coli stcE. [UniProt]

Images



ARG58286 anti-SERPING1 / C1 Inhibitor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG58286 anti-SERPING1 / C1 Inhibitor antibody.



Human blood plasma

ARG58286 anti-SERPING1 / C1 Inhibitor antibody WB image

Western blot: 35 µg of Human blood plasma lysate stained with ARG58286 anti-SERPING1 / C1 Inhibitor antibody at 1:1000 dilution.