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SERPING1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50849

Product Information

Application	WB, IHC
Primary Accession	P05155
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	55154

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
Dilution	WB~~ 1:1000 IHC~~1:50~100
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	SERPING1
Synonyms	C1IN, C1NH
Function	Serine protease inhibitor, which acrs 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

Background

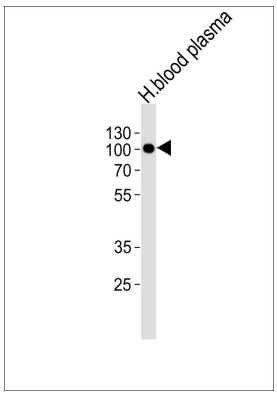
Activation of the C1 complex is under control of the C1- inhibitor. It forms a proteolytically inactive

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.

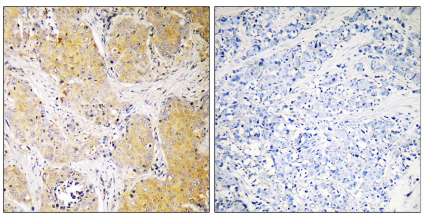
References

Que B.G.,et al.Biochem. Biophys. Res. Commun. 137:620-625(1986).
Bock S.C.,et al.Biochemistry 25:4292-4301(1986).
Carter P.E.,et al.Eur. J. Biochem. 173:163-169(1988).
Carter P.E.,et al.Eur. J. Biochem. 197:301-308(1991).
Heus J.,et al.Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from human blood plasma tissue lysate,using SERPING1 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using SERPING1 antibody.