

Rabbit SERPING1 Polyclonal Antibody | anti-SERPING1 antibody

SERPING1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326338	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SERPING1; Polyclonal Antibody; SERPING1 Antibody; C1 esterase inhibitor; C1 Inh; C1 inhibiting factor; C1 inhibitor; C1-inhibiting factor; C1IN; C1Inh; C1NH; complement component 1 inhibitor; esterase inhibitor; HAE1; HAE2; IC1_HUMAN; Plasma protease C1 inhibitor; Serine (or cysteine) proteinase inhibitor clade G member 1; serine/cysteine proteinase inhibitor clade G member 1; Serpin G1; serpin peptidase inhibitor; clade G (C1 inhibitor); member 1; anti-SERPING1 antibody

PRODUCT SPECIFICATIONS

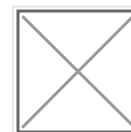
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SERPING1 antibody detects endogenous levels of total SERPING1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	500
Applicable Applications for anti-SERPING1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SERPING1
Subcellular Location	Secreted.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326338 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA326338 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of HepG2 cell lysate, using SERPING1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for 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 edema (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. Subunit Structure: Binds to E.coli stcE which allows localization of SERPING1 to cell membranes thus protecting the bacteria against complement-mediated lysis. Interacts with MASP1. 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). Can be proteolytically cleaved by E.coli stcE. Similarity: Belongs to the serpin family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	73858568
NCBI GeneID	710
NCBI Accession #	NP_000053.2
NCBI GenBank Nucleotide #	NM_000062.2
UniProt Accession #	P05155; Q16304; Q547W3; Q59EI5; Q7Z455; Q96FE0; Q9UC49; A6NMU0; A8KAI9; B2R6L5; B4E1F0; B4E1H2
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	plasma protease C1 inhibitor
NCBI Official Synonym Full Names	serpin family G member 1
NCBI Official Symbol	SERPING1
NCBI Official Synonym Symbols	C1IN; C1NH; HAE1; HAE2; C1INH
NCBI Protein Information	plasma protease C1 inhibitor
UniProt Protein Name	Plasma protease C1 inhibitor
UniProt Gene Name	SERPING1
UniProt Synonym Gene Names	C1IN; C1NH; C1 Inh; C1Inh

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.