

Rabbit anti-Human C1 inhibitor Monoclonal Antibody | anti-SerpinG1 antibody

Recombinant Anti-C1 inhibitor Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255284	Rabbit	Human	Immunoprecipitation, ELISA, ELISA, Western Blot

PRODUCT SYNONYMS

C1 inhibitor; Monoclonal Antibody; Recombinant Anti-C1 inhibitor Antibody; Rabbit Monoclonal; SerpinG1/C1 inhibitor/C1IN Antibody; Rabbit MAb; serpin peptidase inhibitor; clade G (C1 inhibitor); member 1; Anti-C1IN Antibody; Anti-C1INH Antibody; Anti-C1NH Antibody; Anti-HAE1 Antibody; Anti-HAE2 Antibody; anti-SerpinG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	18
Specificity	Human SerpinG1/C1IN. No cross-reactivity in ELISA with Human SerpinA1/A1AT, Human SerpinA3/SERPINA3/AACT, Human SerpinA5/PROCI, Human SerpinC1 /SERPINC1/ Antithrombin-III, Human SerpinD1/SERPIND1/HC2, Human SerpinF1/SERPINF1/PEDF, Human SerpinF2/SERPINF2, Human SerpinI1/SERPINI1/Protease inhibitor 12
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinG1 antibody	IP (Immunoprecipitation), ELISA, ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human SerpinG1 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human SerpinG1 (rh SerpinG1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-SerpinG1 rabbit monoclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:55 kDaObserved band size:71 kDa



IP (Immunoprecipitation)

SERPING1 was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate2 uL anti-SERPING1 rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-SERPING1 rabbit monoclonal antibody,at 1:100 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odyssey technique.Performed under reducing conditions.Predicted band size: 55 kDaObserved band size: 100 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SerpinG1 antibody	Plasma protease C1 inhibitor, also known as C1-inhibiting factor, C1-INH, C1 esterase inhibitor, SERPING1 and C1IN, is a serine proteinase inhibitor (serpin) that regulates activation of both the complement and contact systems. By its C-terminal part (serpin domain), characterized by three beta-sheets and an exposed mobile reactive loop, C1-INH binds, and blocks the activity of its target proteases. The N-terminal end (nonserpin domain) confers to C1-INH the capacity to bind lipopolysaccharides and E-selectin. Owing to this moiety, C1-INH intervenes in regulation of the inflammatory reaction. The heterozygous deficiency of C1-INH results in hereditary angioedema (HAE). Owing to its ability to modulate the contact and complement systems and the convincing safety profile, plasma-derived C1 inhibitor is an attractive therapeutic protein to treat inflammatory diseases other than HAE. Deficiency of C1 inhibitor results in hereditary angioedema, which is characterized by recurrent episodes of localized angioedema of the skin, gastrointestinal mucosa or upper respiratory mucosa. C1 inhibitor may prove useful in a variety of other diseases including septic shock, reperfusion injury, hyperacute transplant rejection, traumatic and hemorrhagic shock, and the increased vascular permeability associated with thermal injury, interleukin-2 therapy and cardiopulmonary bypass.
References	Davis AE 3rd. et al. (2004) Biological effects of C1 inhibitor. Drug News Perspect. 17(7): 439-46.Cicardi M, et al. (2005) C1 inhibitor: molecular and clinical aspects. Springer Semin Immunopathol. 27(3): 286-98.Wouters D, et al. (2008) C1 inhibitor: just a serine protease inhibitor? New and old considerations on therapeutic applications of C1 inhibitor. Expert Opin Biol Ther. 8(8): 1225-40.Cugno M, et al. (2009) C1-inhibitor deficiency and angioedema: molecular mechanisms and clinical progress. Trends Mol Med. 15(2): 69-78.

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; Q9UCF9; A6NMU0; A8KAI9; B2R6L5
Molecular Weight	55,154 Da
NCBI Official Full Name	plasma protease C1 inhibitor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
NCBI Official Symbol	SERPING1
NCBI Official Synonym Symbols	C1IN; C1NH; HAE1; HAE2; C1INH
NCBI Protein Information	plasma protease C1 inhibitor; serpin G1; C1-inhibiting factor; C1 esterase inhibitor; complement component 1 inhibitor; serine/cysteine proteinase inhibitor clade G member 1
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/c1-inhibitor-antibody-clone-18-immunoprecipitation-western-blot-elisa/255284>