SERPING1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SERPING1, Polyclonal Antibody
Full Product Name	SERPING1 Antibody
Product Gene Name	anti-SERPING1 antibody
Product Synonym Names	C1IN; C1NH; HAE1; HAE2; C1INH
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total SERPING1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	55,154 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (57365027..57382326). Location: 11q12.1
OMIM	106100
3D Structure	ModBase 3D Structure for P05155
Immunogen	Synthetic peptide corresponding to a region derived from internal residues of human serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
Product Categories/Family for anti-SERPING1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SERPING1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SERPING1 antibody	WB: 1:200-1:1000 IHC: 1:25-1:100
Related Product Information for anti-SERPING1 antibody	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
Other Notes	Small volumes of anti-SERPING1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SERPING1 purchase	MBS8591257 is an antibody targeting SERPING1. Also known as SERPING1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPING1. It may not necessarily be applicable to this product.

NCBI GI #	73858568
NCBI GeneID	710
NCBI Accession #	NP_000053.2
UniProt Primary Accession #	P05155
UniProt Secondary Accession #	Q16304; Q547W3; Q59EI5; Q7Z455; Q96FE0; Q9UC49; Q9UCF9; A6NMU0; A8KAI9; B2R6L5
UniProt Related Accession #	P05155
GenBank Nucleotide #	NM_000062.2
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
UniProt Protein Name	Plasma protease C1 inhibitor
UniProt Synonym Protein Names	C1 esterase inhibitor; C1-inhibiting factor; Serpin G1
Protein Family	Plasma protease C1 inhibitor
UniProt Gene Name	SERPING1
UniProt Synonym Gene Names	C1IN; C1NH; C1 Inh; C1Inh
UniProt Entry Name	IC1_HUMAN
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
NCBI Summary for SERPING1	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]
UniProt Comments for SERPING1	SERPING1: a protein protease inhibitor (C1-inhibitor) that forms a proteolytically inactive stoichiometric complex with the C1r or C1s proteases. May play an important role in regulating complement activation, blood coagulation, fibrinolysis and the generation of kinins. Very efficient inhibitor of FXIIa. Mutations of the SERPING1 gene is associated with adult macular degeneration can also cause hereditary angioedema. Binds to E.coli stcE which allows localization of SERPING1 to cell membranes thus protecting the bacteria against complement-mediated lysis. Belongs to the serpin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 11q12.1 Cellular Component: extracellular space; extracellular region Molecular Function: serine-type endopeptidase inhibitor activity; protein binding Biological Process: negative regulation of complement activation, lectin pathway; platelet activation; fibrinolysis; platelet degranulation; blood circulation; innate immune response; blood coagulation; blood coagulation, intrinsic pathway; complement activation, classical pathway; aging Disease: Complement Component 4, Partial Deficiency Of; Angioedema, Hereditary, Type I
Research Articles on SERPING1	**1.** identified a novel frame-shift mutation c.1391-1445del55 (p.v464fsx556) in exon 8 in a large Chinese family with hereditary angioedema type I

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