SERPINB8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SERPINB8, Polyclonal Antibody
Full Product Name	SERPINB8, CT (SERPINB8, PI8, Serpin B8, Cytoplasmic antiproteinase 2, Peptidase inhibitor 8) (MaxLight 490)
Product Gene Name	anti-SERPINB8 antibody
Product Synonym Names	SERPINB8; PI8; Serpin B8; Cytoplasmic antiproteinase 2; Peptidase inhibitor 8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22,134 Da
OMIM	601697
3D Structure	ModBase 3D Structure for P50452
Immunogen	SERPINB8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 274-301 amino acids from the C-terminal region of human SERPINB8.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-SERPINB8 antibody	Antibodies; Protease Inhibitors
Applications Tested/Suitable for anti-SERPINB8 antibody	Western Blot (WB), FLISA
Application Notes for anti-SERPINB8 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SERPINB8 antibody	The superfamily of high molecular weight serine proteinase inhibitors (serpins) regulate a diverse set of intracellular and extracellular processes such as complement activation, fibrinolysis, coagulation, cellular differentiation, tumor suppression, apoptosis, and cell migration. Serpins are characterized by well-conserved a tertiary structure that consists of 3 beta sheets and 8 or 9 alpha helices (Huber and Carrell, 1989 [PubMed 2690952]). A critical portion of the molecule, the reactive center loop connects beta sheets A and C. Protease inhibitor-8 (PI8; SERPINB8) is a member of the ov-serpin subfamily, which, relative to the archetypal serpin PI1 (MIM 107400), is characterized by a high degree of homology to chicken ovalbumin, lack of N-and C-terminal extensions, absence of a signal peptide, and a serine rather than an asparagine residue at the penultimate position (summary by Bartuski et al., 1997 [PubMed 9268635]).

Product References and Citations for anti-SERPINB8 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): de Koning, P.J., et al. Pancreas 38(4):461-467(2009). Luke, M.M., et al. Stroke 40(2):363-368(2009). Shiffman, D., et al. Arterioscler. Thromb. Vasc. Biol. 28(1):173-179(2008). Denoeud, F., et al. Genome Res. 17(6):746-759(2007).
Other Notes	Small volumes of anti-SERPINB8 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 SERPINB8 purchase	MBS6346334 is an antibody targeting SERPINB8. Also known as SERPINB8, CT (SERPINB8, PI8, Serpin B8, Cytoplasmic antiproteinase 2, Peptidase inhibitor 8) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINB8. It may not necessarily be applicable to this product.

NCBI GI #	38504673
NCBI GeneID	5271
NCBI Accession #	NP_002631.3
UniProt Primary Accession #	P50452
UniProt Secondary Accession #	Q7Z2V6; Q8N178; B4DTW2
UniProt Related Accession #	P50452
GenBank Nucleotide #	NM_002640.3
NCBI Official Full Name	serpin B8 isoform a
NCBI Official Synonym Full Names	serpin family B member 8
NCBI Official Symbol	SERPINB8
NCBI Official Synonym Symbols	PI8; CAP2
UniProt Protein Name	Serpin B8
UniProt Synonym Protein Names	Cytoplasmic antiproteinase 2; CAP-2; CAP2; Peptidase inhibitor 8
Protein Family	Serpin
UniProt Gene Name	SERPINB8
UniProt Synonym Gene Names	PI8; CAP-2; CAP2; PI-8
UniProt Entry Name	SPB8_HUMAN
NCBI Protein Information	serpin B8
NCBI Summary for SERPINB8	The superfamily of high molecular weight serine proteinase inhibitors (serpins) regulate a diverse set of intracellular and extracellular processes such as complement activation, fibrinolysis, coagulation, cellular differentiation, tumor suppression, apoptosis, and cell migration. Serpins are characterized by well-conserved a tertiary structure that consists of 3 beta sheets and 8 or 9 alpha helices (Huber and Carrell, 1989 [PubMed 2690952]). A critical portion of the molecule, the reactive center loop connects beta sheets A and C. Protease inhibitor-8 (PI8; SERPINB8) is a member of the ov-serpin subfamily, which, relative to the archetypal serpin PI1 (MIM 107400), is characterized by a high degree of homology to chicken ovalbumin, lack of N- and C-terminal extensions, absence of a signal peptide, and a serine rather than an asparagine residue at the penultimate position (summary by Bartuski et al., 1997 [PubMed 9268635]).[supplied by OMIM, Jan 2010]
Research Articles on SERPINB8	**1.** Observational study and genome-wide association study of gene-disease association. (HuGE Navigator)
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