Rabbit anti-Human SerpinD1 Monoclonal Antibody | anti-SerpinD1 antibody

Recombinant Anti-SerpinD1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254807	**Rabbit**	**Human**	**Immunohistochemistry**

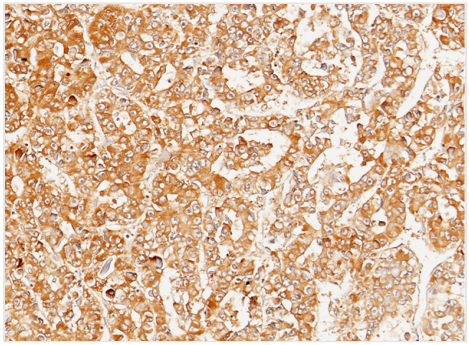
PRODUCT SYNONYMS

SerpinD1; Monoclonal Antibody; Recombinant Anti-SerpinD1 Antibody; Rabbit Monoclonal; SerpinD1 Antibody; Rabbit MAb; serpin peptidase inhibitor; clade D (heparin cofactor); member 1; Anti-D22S673 Antibody; Anti-HC2 Antibody; Anti-HCF2 Antibody; Anti-HCII Antibody; Anti-HLS2 Antibody; Anti-LS2 Antibody; Anti-SerpinD1 Antibody; Anti-THPH10 Antibody; anti-SerpinD1 antibody

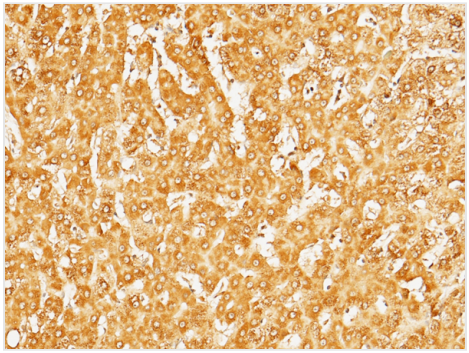
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	008
Specificity	Human SerpinD1. No cross-reactivity in ELISA with Human SerpinA3, Human SerpinC1, Human SerpinI1, Mouse SerpinF1 Has cross-reactivity in ELISA with Mouse SerpinD1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinD1 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human SerpinD1 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human SerpinD1 (rh SerpinD1).
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



IHC (Immunohiostchemistry)
Immunochemical staining of human serpinD1 in human hepatoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to hepatocyte.



IHC (Immunohistochemistry)
Immunochemical staining of human serpinD1 in human liver with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to hepatocyte.

ADDITIONAL INFORMATION

Related Product Information for anti-SerpinD1 antibody	SerpinD1, also known as heparin cofactor II, is a member of Serpin superfamily of the serine proteinase inhibitors. HCII is a glycoprotein in human plasma that inhibits thrombin and chymotrypsin, and the rate of inhibition of thrombin is rapidly increased by Dermatan sulfate (DS), heparin (H) and glycosaminoglycans(GAG). The stimulatory effect of glycosaminoglycans on the inhibition is mediated, in part, by the N-terminal acidic domain of HCII. Interestingly, a C-terminal His-tagged recombinant HCII exhibits enhanced activity of thrombin inhibition. It has been suggested that HCII plays an unique and important role in vascular homeostasis, and accordingly mutations in this gene or congenital HCII deficiency is potentially associated with thrombosis. HCII specifically inhibits thrombin action at the site of vascular wall injury and HCII-thrombin complexes have been detected in human plasma. HCII protects against thrombin-induced vascular remodeling in both humans and mice and HCII is a predictive biomarker and therapeutic target for atherosclerosis. SerpinD1 also inhibits chymotrypsin, but in a glycosaminoglycan-independent manner.
References	Rau JC, et al. (2009) Heparin cofactor II in atherosclerotic lesions from the Pathobiological Determinants of Atherosclerosis in Youth (PDAY) study. Exp Mol Pathol. 87(3): 178-83.Aihara K, et al. (2009) Heparin cofactor II as a novel vascular protective factor against atherosclerosis. J Atheroscler Thromb. 16(5): 523-31.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73858566
NCBI GeneID	3053
NCBI Accession #	NP_000176.2
NCBI GenBank Nucleotide #	NM_000185.3
UniProt Accession #	P05546; Q6IBZ5; B2RAI1; D3DX34
Molecular Weight	57,071 Da
NCBI Official Full Name	heparin cofactor 2
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade D (heparin cofactor), member 1
NCBI Official Symbol	SERPIND1
NCBI Official Synonym Symbols	HC2; LS2; HCF2; HCII; HLS2; THPH10; D22S673
NCBI Protein Information	heparin cofactor 2; serpin D1; leuserpin 2; protease inhibitor leuserpin-2; serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1
UniProt Protein Name	Heparin cofactor 2
UniProt Gene Name	**SERPIND1**

UniProt Synonym Gene Names	HCF2; HC-II; HLS2
UniProt Entry Name	HEP2_HUMAN

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/serpind1-antibody-clone-008-immunohistochemistry-elisa/254807