

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

Anti-SerpinD1 Antibody, Rabbit Polyclonal

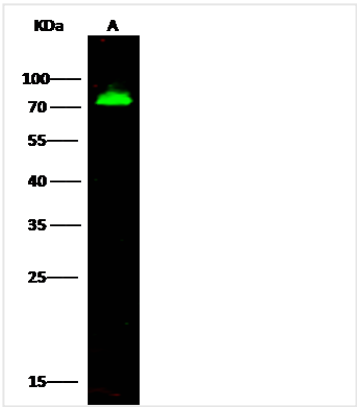
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254808	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

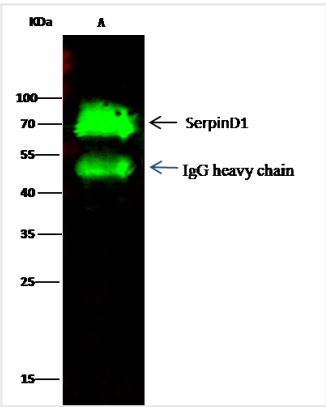
SerpinD1; Polyclonal Antibody; Anti-SerpinD1 Antibody; Rabbit Polyclonal; SerpinD1/HC2 Antibody; Rabbit PAb; Antigen Affinity Purified; serpin peptidase inhibitor; clade D (heparin cofactor); member 1; Anti-D22S673 Antibody; Anti-HC2 Antibody; Anti-HCF2 Antibody; Anti-HCII Antibody; Anti-HLS2 Antibody; Anti-LS2 Antibody; Anti-THPH10 Antibody; anti-SerpinD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SerpinD1/HC2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinD1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human SerpinD1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human SerpinD1 (rh SerpinD1). SerpinD1 specific IgG was purified by human SerpinD1 affinity chromatography .
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.



WB (Western Blot)
Anti-SerpinD1 rabbit polyclonal 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:57 kDaObserved band size:70 kDa



IP (Immunoprecipitation)
SerpinD1 was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate2 uL anti-SerpinD1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-SerpinD1 rabbit polyclonal antibody,at 1:1000 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: 57 kDaObserved band size: 70 kDa

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/polyclonal/serpind1-antibody-immunoprecipitation-western-blot-elisa/254808>