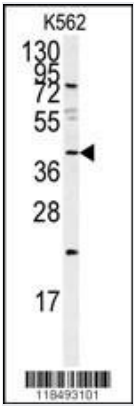
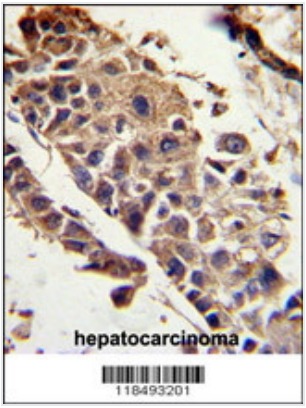
SERPINF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

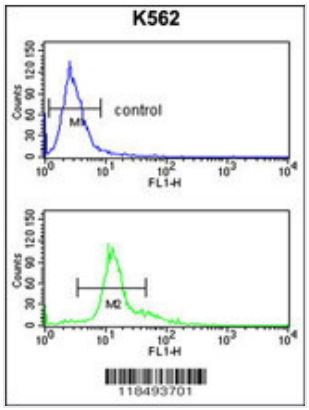
Product Name	SERPINF1, Polyclonal Antibody
Full Product Name	SERPINF1, ID (Pigment Epithelium-derived Factor, PEDF, Serpin-F1, EPC-1, Cell Proliferation-inducing Gene 35 Protein, PEDF, PIG35) (MaxLight 650)
Product Gene Name	anti-SERPINF1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human SERPINA1.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	46,312 Da
OMIM	172860
3D Structure	ModBase 3D Structure for P36955
Immunogen	Synthetic peptide selected from the center region of human SERPINA1 (KLH).
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-SERPINF1 antibody	Antibodies; Protease Inhibitors
Applications Tested/Suitable for anti-SERPINF1 antibody	Western Blot (WB), FLISA
Application Notes for anti-SERPINF1 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SERPINF1 antibody	MBS6492609 is an antibody targeting SERPINF1. Also known as SERPINF1, ID (Pigment Epithelium-derived Factor, PEDF, Serpin-F1, EPC-1, Cell Proliferation-inducing Gene 35 Protein, PEDF, PIG35) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-SERPINF1 antibody	1. Bessho, H., Kondo, N. Mol. Vis. 15, 1107-1114 (2009). 2. Petersen, S.V., Valnickova, Z. Biochem. J. 374(PT 1), 199-206 (2003). 3. Tombran-Tink, J., Pawar, H. Genomics 19(2), 266-272 (1994).
Other Notes	Small volumes of anti-SERPINF1 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.



Western Blot (WB) of anti-SERPINF1 antibody
Western blot analysis of SERPINF1 antibody (Center) in K562 cell line lysates (35ug/lane). SERPINF1 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-SERPINF1 antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with SERPINF1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-SERPINF1 antibody
SERPINF1 Antibody (Center) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINF1. It may not necessarily be applicable to this product.

NCBI GI #	39725934
NCBI GeneID	5176
NCBI Accession #	NP_002606
UniProt Primary Accession #	P36955
UniProt Secondary Accession #	Q13236; Q2TU83; Q96CT1; Q96R01; Q9BWA4; F1T092
UniProt Related Accession #	P36955
GenBank Nucleotide #	NM_002615.5
NCBI Official Full Name	pigment epithelium-derived factor
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1
NCBI Official Symbol	SERPINF1
NCBI Official Synonym Symbols	OI6; OI12; PEDF; EPC-1; PIG35
UniProt Protein Name	Pigment epithelium-derived factor
UniProt Synonym Protein Names	Cell proliferation-inducing gene 35 protein; EPC-1; Serpin F1

Protein Family	Pigment epithelium-derived factor
UniProt Gene Name	SERPINF1
UniProt Synonym Gene Names	PEDF; PEDF
UniProt Entry Name	PEDF_HUMAN
NCBI Protein Information	pigment epithelium-derived factor; cell proliferation-inducing gene 35 protein; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; serpin F1
NCBI Summary for SERPINF1	The protein encoded by this gene is a member of the serpin family, although it does not display the serine protease inhibitory activity shown by many of the other serpin family members. The encoded protein is secreted and strongly inhibits angiogenesis. In addition, this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells.[provided by RefSeq, Mar 2011]
UniProt Comments for SERPINF1	PEDF: a secreted neurotrophic protein that induces extensive neuronal differentiation in retinoblastoma cells. Potent inhibitor of angiogenesis. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity. The N-terminal (AA 44-121) exhibits neurite outgrowth-inducing activity. The C-terminal exposed loop (AA 382-418) is essential for serpin activity. Extracellular phosphorylation enhances antiangiogenic activity. Protein type: Inhibitor; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: axon hillock; extracellular matrix; extracellular space; perinuclear region of cytoplasm; extracellular region; melanosome; basement membrane Molecular Function: serine-type endopeptidase inhibitor activity Biological Process: cell proliferation; positive regulation of neurogenesis; negative regulation of angiogenesis; ovulation cycle; retina development in camera-type eye; short-term memory; response to arsenic; negative regulation of inflammatory response; multicellular organismal development; response to acidity; kidney development; aging Disease: Osteogenesis Imperfecta, Type Vi
Research Articles on SERPINF1	**1.** This review discusses the role of PEDF in cardiometabolic disorders and the utility of measuring its levels.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/serpinf1/6492609