

Rabbit SERPINF1 Polyclonal Antibody | anti-SERPINF1 antibody

SERPINF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326313	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SERPINF1; Polyclonal Antibody; SERPINF1 Antibody; Cell proliferation-inducing gene 35 protein; EPC 1; EPC-1; EPC1; OI12; OI6; PEDF; PEDF_HUMAN; PIG 35; PIG35; Pigment epithelium derived factor; Pigment epithelium-derived factor; Proliferation inducing protein 35; serine (or cysteine) proteinase inhibitor; clade F (alpha-2 antiplasmin; pigment epithelium derived factor); member 1; Serpin F1; Serpin family F member 1; Serpin peptidase inhibitor clade F member 1; serpin peptidase inhibitor; SERPINF 1; Serpinf1; anti-SERPINF1 antibody

PRODUCT SPECIFICATIONS

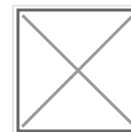
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SERPINF1 antibody detects endogenous levels of total SERPINF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-SERPINF1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SERPINF1, corresponding to a region within C-terminal amino acids.
Similarity	The N-terminal (AA 44-121) exhibits neurite outgrowth-inducing activity. The C-terminal exposed loop (AA 382-418) is essential for serpin activity. Belongs to the serpin family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of human liver, using SERPINF1 antibody. The lane on the left is treated with the antigen-specific peptide.



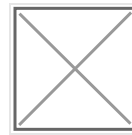
IF (Immunofluorescence)

AAA326313 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326313 at 1/100 staining Human melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from various samples, using SERPINF1 Antibody. lane 1: mouse brain; lane 2: HeLa;

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINF1 antibody

Pigment epithelium-derived growth factor (PEDF), also known as EPC-1 (early population doubling level cDNA-1), is a glycoprotein found naturally in the normal eye. PEDF has reported neuroprotective and differentiation properties and is secreted in abundance by retinal pigment epithelium cells. It belongs to the serine protease inhibitor (Serp) superfamily and has been reported to inhibit angiogenesis and proliferation of several cell types. The "pooling" of PEDF within the interphotoreceptor matrix places this molecule in a prime physical location to affect the underlying neural retina. Additionally, PEDF induces neuronal differentiation and promotes survival of neurons of the central nervous system from degeneration caused by serum withdrawal or glutamate cytotoxicity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1049480189
NCBI GeneID	5176
NCBI Accession #	NP_001316832.1
NCBI GenBank Nucleotide #	NM_001329903.1
UniProt Accession #	P36955; Q13236; Q2TU83; Q96CT1; Q96R01; Q9BWA4; F1T092
Molecular Weight	46 kDa
NCBI Official Full Name	pigment epithelium-derived factor isoform 1
NCBI Official Synonym Full Names	serpin family F member 1
NCBI Official Symbol	SERPINF1
NCBI Official Synonym Symbols	OI6; OI12; PEDF; EPC-1; PIG35
NCBI Protein Information	pigment epithelium-derived factor
UniProt Protein Name	Pigment epithelium-derived factor
UniProt Gene Name	SERPINF1
UniProt Synonym Gene Names	PEDF; PEDF

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/serpinf1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326313>