

Anti-PEDF antibody



Description	Rabbit polyclonal to PEDF.
Model	STJ95023
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human PEDF.
Immunogen Region	Internal
Gene ID	5176
Gene Symbol	SERPINF1
Dilution range	IHC 1:100-1:300ELISA 1:10000
Specificity	PEDF Polyclonal Antibody detects endogenous levels of PEDF protein.
Tissue Specificity	Retinal pigment epithelial cells and blood plasma.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Pigment epithelium-derived factor PEDF Cell proliferation-inducing gene 35 protein EPC-1 Serpin F1
Molecular Weight	46.342 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8824OMIM:172860
Alternative Names	Pigment epithelium-derived factor PEDF Cell proliferation-inducing gene 35 protein EPC-1 Serpin F1
Function	Neurotrophic protein; 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.
Sequence and Domain Family	The N-terminal (AA 44-121) exhibits neurite outgrowth-inducing activity. The C-terminal exposed loop (AA 382-418) is essential for serpin activity.
Cellular Localization	Secreted Melanosome. Enriched in stage I melanosomes.
Post-translational Modifications	The N-terminus is blocked. Extracellular phosphorylation enhances antiangiogenic activity. N- and O-glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com