



PEDF Monoclonal Antibody

Catalog No	YP-mAb-04064
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SERPINF1
Immunogen	The antiserum was produced against synthesized peptide derived from human PEDF. AA range:258-307
Specificity	PEDF Monoclonal Antibody detects endogenous levels of PEDF protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PIG35;PEDF;Pigment epithelium-derived factor;EPC-1;EPC 1;SERPINF1;Cell proliferation-inducing gene 35 protein;Serpins F1
Observed Band	46kD
Calculated Molecular Weight	46kD
Cell Pathway	Secreted . Melanosome . Enriched in stage I melanosomes.
Tissue Specificity	Retinal pigment epithelial cells and blood plasma.
Function	developmental stage:Expressed in quiescent cells.,domain:The N-terminal (AA 44-121) exhibits neurite outgrowth-inducing activity. The C-terminal exposed loop (AA 382-418) is essential for serpin activity.,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.,PTM:The N-terminus is blocked. Extracellular phosphorylation enhances antiangiogenic activity.,similarity:Belongs to the serpin family.,subcellular location:Enriched in stage I melanosomes.,tissue specificity:Retinal pigment epithelial cells and blood plasma.,



Background

This gene encodes a member of the serpin family that does not display the serine protease inhibitory activity shown by many of the other serpin proteins. The encoded protein is secreted and strongly inhibits angiogenesis. In addition, this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells. Mutations in this gene were found in individuals with osteogenesis imperfecta, type VI. [provided by RefSeq, Aug 2016],

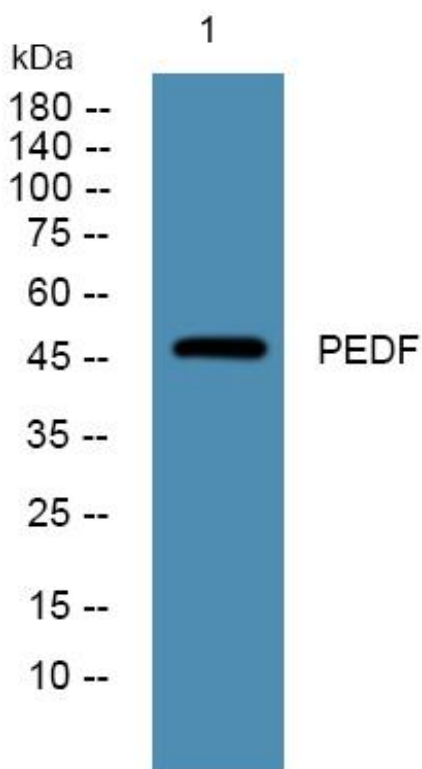
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PEDF Monoclonal Antibody