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SERPINF1

Reactivity: Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:46kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human SERPINF1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

a

Synonym:

OI6; OI12; PEDF; EPC-1; PIG35;

Catalog #:A1673

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5176

Isotype: IgG

Swiss Prot:P36955

Purity: Affinity purification

For research use only.

Background:

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 (Serpin) 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.

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