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PEDF Antibody

Catalog Number: PR-1365

Background: Pigment epithelium derived factor, originally identified in conditioned medium of cultured human fetal retinal pigment epithelial (RPE) cells, is a neurotrophic protein that induces extensive neuronal differentiation in human Y79 retinoblastoma cells, a neoplastic counterpart of normal retinoblasts. It has been suggested that PEDF is synthesized by RPE cells and secreted into the retina interphotoreceptor matrix where it may influence development/differentiation of the neural retina. PEDF is a 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 PEDF gene is a member of the serpin gene family.

Description: Rabbit polyclonal to PEDF

Immunogen: KLH conjugated synthetic peptide derived from PEDF

Specificity: ·Reacts with Human, Mouse, Pig and Rat.

·Isotype: IgG

Quantity size: 0.2ml (1mg/ml, dilute with pH 7.4 0.01 M PBS or antibody diluent)

Purity: Protein G affinity chromatography purification, purity :>95%

Application: ·Western blotting: 1/100-500. Predicted Mol wt: 46 kDa;

·Immunohistochemistry (Frozen/paraffin tissue section): 1/100-500;

·Immunocytochemistry: 1/100-500;

·ELISA: 1/500;

· Optimal working dilutions must be determined by the end user.

Storage: Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody, the antibody is stable for at least six weeks at 2-4 °C.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.