

bs-20783R**[Primary Antibody]****BioSS**
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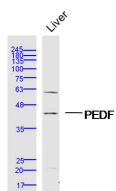
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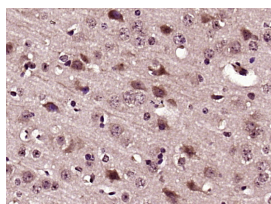
400-901-9800

PEDF Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 20317 Target: PEDF Immunogen: KLH conjugated synthetic peptide derived from mouse PEDF: 151-250/417. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. 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. Serpins are a group of serine protease inhibitors, some of which have also been reported to exhibit neurotrophic activity.	Isotype: IgG SWISS: P97298 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Rat) Predicted MW.: 46 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
 Anti-PEDF (bs-20783R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 46 kD
 Observed band size: 46 kD



Paraformaldehyde-fixed, paraffin embedded
 (Mouse brain); Antigen retrieval by boiling in
 sodium citrate buffer (pH6.0) for 15min; Block
 endogenous peroxidase by 3% hydrogen
 peroxide for 20 minutes; Blocking buffer (normal
 goat serum) at 37°C for 30min; Antibody
 incubation with (PEDF) Polyclonal Antibody,
 Unconjugated (bs-20783R) at 1:400 overnight at
 4°C, followed by operating according to SP
 Kit(Rabbit) (sp-0023) instructions and DAB
 staining.

— SELECTED CITATIONS —

- **[IF=3.752]** Yanfeng Tian. et al. Sonodynamic therapy suppresses matrix collagen degradation in vulnerable atherosclerotic plaque by modulating caspase 3 - PEDF/HIF-1 α - MMP-2/MMP-9 signaling in macrophages. PLOS ONE. 2022 Dec;17(12):e0279191 IF ;Mouse. 36574366