

bs-20784R**[Primary Antibody]****PEDF Rabbit pAb****Bioss**
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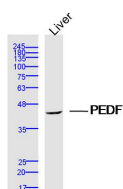
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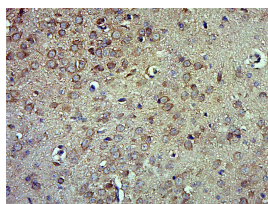
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— DATASHEET —

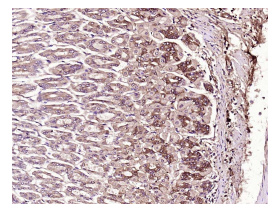
Host: Rabbit Clonality: Polyclonal GeneID: 5176 Target: PEDF Immunogen: KLH conjugated synthetic peptide derived from human PEDF: 101-200/417. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. 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: P36955 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Pig, Sheep, Cow) Predicted MW.: 46 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
Anti-PEDF (bs-20784R) 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-20784R) at 1:500 overnight at
4°C, followed by a conjugated secondary
(sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded
(Mouse stomach); 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-20784R) at 1:500 overnight at
4°C, followed by a conjugated secondary
(sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.543]** He Jialin. et al. OM-MSCs Alleviate the Golgi Apparatus Stress Response following Cerebral Ischemia/Reperfusion Injury via the PEDF-PI3K/Akt/mTOR Signaling Pathway. Oxid Med Cell Longev. 2021;2021:4805040 WB ;Rat. 34815829
- **[IF=3.9]** Xia Sheng. et al. Clinical efficacy and mechanism of the combination of autologous platelet-rich gel and

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

recombinant human acidic fibroblast growth factor in the management of refractory diabetic foot. FRONT ENDOCRINOL. 2024 Oct;15: IHC ;Human. 39539934

- **[IF=3.4]** Zhao Geng. et al. ADAMTS5 promotes neovascularization via autophagic degradation of PEDF in proliferative diabetic retinopathy. EXP EYE RES. 2023 Sep;234:109597 WB ;Mouse,Human. 37490993