

Rabbit anti-Rat PEDF Polyclonal Antibody | anti-SerpinF1 antibody

Anti-PEDF Antibody, Rabbit Polyclonal

CATALOG # AAA257334	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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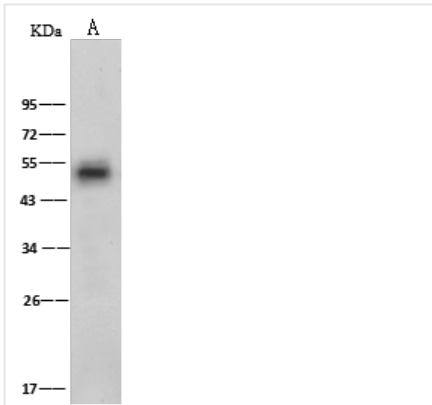
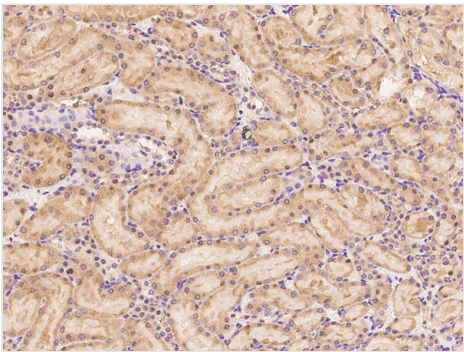
PRODUCT SYNONYMS

PEDF; Polyclonal Antibody; Anti-PEDF Antibody; Rabbit Polyclonal; PEDF/SerpinF1 Antibody; Rabbit PAb; Antigen Affinity Purified; serpin peptidase inhibitor; clade F; member 1; anti-SerpinF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat PEDF/SerpinF1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SerpinF1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat PEDF/SerpinF1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat PEDF/SerpinF1 (rR PEDF/SerpinF1). PEDF/SerpinF1 specific IgG was purified by Rat PEDF/SerpinF1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of rat SERPINF1 in rat kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

WB (Western Blot)
Anti-SERPINF1 rabbit polyclonal antibody at 1:500 dilutionLane A: Rat spleen tissue lysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:46 kDaObserved band size:49 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SerpinF1 antibody	Pigment epithelium-derived factor, also known as PEDF, Serpin F1, and SERPINF1, is a multiple functional protein that has both anti-angiogenic activity and neurotrophic activity at the same time. PEDF is a secreted glycoprotein that belongs to the noninhibitory serpin. It has an alpha/beta core serine-protease inhibitor domain, three major beta-sheets, and ten alpha-helices. PEDF does not inhibit either serine or cysteine proteinases. PEDF exerts diverse physiological activities including anti-angiogenesis, anti-vasopermeability, anti-tumor, and neurotrophic activities. PEDF acts via multiple high affinity ligands and cell receptors. It has been described as a natural angiogenesis inhibitor with neurotrophic and immune-modulation properties. PEDF induces macrophages apoptosis and necrosis through the activation of peroxisome proliferator-activated receptor-gamma by which PEDF could modulate inflammatory reactions in septic shock. It balances angiogenesis in the eye and blocks tumor progression.
References	Ren, JG. et al., 2005, Med Hypotheses. 64 (1): 74-8. Filleur, S. et al., 2009. J Cell Biochem. 106 (5): 769-75. Kawaguchi, T. et al., 2010, Curr Mol Med. 10 (3): 302-11. Yamagishi, SI. et al., 2010, Curr Mol Med. 10 (3): 284-91. Nakamura, T. et al., 2010, Curr Mol Med. 10 (3): 312-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29293811
NCBI GeneID	287526
NCBI Accession #	NP_808788.1
NCBI GenBank Nucleotide #	NM_177927.2
UniProt Accession #	Q80ZA3; F1LSW0
Molecular Weight	46,465 Da
NCBI Official Full Name	pigment epithelium-derived factor
NCBI Official Synonym Full Names	serpin family F member 1
NCBI Official Symbol	Serpinf1
NCBI Official Synonym Symbols	Pedf; Dmrs91
NCBI Protein Information	pigment epithelium-derived factor
UniProt Protein Name	Alpha-2 antiplasmin
UniProt Gene Name	Serpinf1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pdf-antibody-immunohistochemistry-western-blot-elisa/257334>