

**Goat Anti-SERPINF1 / PEDF Antibody (internal region)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4180a**

**Specification**

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**Goat Anti-SERPINF1 / PEDF Antibody (internal region) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB                          |
| Primary Accession | <a href="#">P36955</a>      |
| Other Accession   | <a href="#">NP_002606.3</a> |
| Reactivity        | Human                       |
| Predicted         | Human, Pig, Dog             |
| Host              | Goat                        |
| Clonality         | Polyclonal                  |
| Concentration     | 0.5                         |
| Calculated MW     | 46312                       |

**Goat Anti-SERPINF1 / PEDF Antibody (internal region) - Additional Information**

**Gene ID** 5176

**Other Names**

SERPINF1; EPC-1; PEDF; PIG35; serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1; pigment epithelium-derived factor; proliferation-inducing protein 35; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Peptide with sequence C-KITGKPIKLTQVEHR, from the internal region of the protein sequence according to NP\_002606.3.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-SERPINF1 / PEDF Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-SERPINF1 / PEDF Antibody (internal region) - Protein Information**

**Name** SERPINF1

**Synonyms** PEDF

### Function

Neurotrophic protein; induces extensive neuronal differentiation in retinoblastoma cells. 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.

### Cellular Location

Secreted. Melanosome. Note=Enriched in stage I melanosomes

### Tissue Location

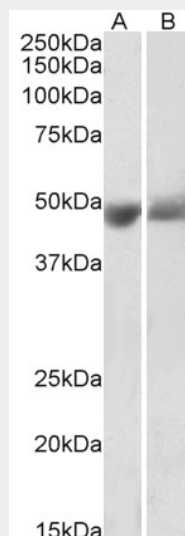
Retinal pigment epithelial cells and blood plasma.

## Goat Anti-SERPINF1 / PEDF Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Goat Anti-SERPINF1 / PEDF Antibody (internal region) - Images



AF4180a (0.3 µg/ml) staining of Human Albumin-depleted Plasma (A) and Serum (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-SERPINF1 / PEDF Antibody (internal region) - References

Opposing effects of pigment epithelium-derived factor on breast cancer cell versus neuronal survival: implication for brain metastasis and metastasis-induced brain damage. Fitzgerald DP et al. Cancer Res. 2012 Jan 1;72(1):144-53.