

Product datasheet for **AP01135PU-N**

PLGF (PGF) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Sandwich ELISA: To detect Human PIGF (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Anti-Human PIGF as a detection antibody (<i>Cat.-No</i> AP01135BT), it allows the detection of at least 0.2-0.4 ng/well of recombinant Human PIGF. Western blot: To detect Human PIGF this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human PIGF is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Immunohistochemistry on Paraffin Sections: This antibody stained formalin-fixed, paraffin-embedded sections of Human breast invasive ductal carcinoma. Recommended Concentration: 2.0 µg/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended (See <i>Figures</i>).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) E.coli derived from recombinant Human PIGF
Specificity:	This antibody detects Human PIGF. Other species not tested.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity Chromatography employing immobilized Human PIGF matrix
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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Stability: Shelf life: one year from despatch.

Gene Name: placental growth factor

Database Link: [Entrez Gene 5228 Human P49763](#)

Background: PLGF is a growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration. It belongs to the cysteine-knot superfamily. PLGF is expressed in placental tissues, colon and mammary carcinomas. It signals through the VEGFR-1/FLT1 receptor.

Synonyms: PGFL, PLGF, PIGF

Product images:

