

PIGF-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11057**Specification**

PIGF-1 Antibody - Product Information

Application	WB
Primary Accession	P49763
Other Accession	AAD30179
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24789

PIGF-1 Antibody - Additional Information**Gene ID** 5228**Application & Usage****Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human PIGF can be used as a positive control.****Other Names**

PIGF1, PIGF 1, PIGF-1, Phosphatidylinositol glycan biosynthesis class F, PIG F

Target/Specificity

PIGF

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) antigen affinity purified rabbit anti-human PIGF polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.01% Thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

PlGF-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PlGF-1 Antibody - Protein Information

Name PGF

Synonyms PGFL, PLGF

Function

Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PlGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth.

Cellular Location

Secreted. Note=The three isoforms are secreted but PlGF-2 appears to remain cell attached unless released by heparin

Tissue Location

While the three isoforms are present in most placental tissues, PlGF-2 is specific to early (8 week) placenta and only PlGF-1 is found in the colon and mammary carcinomas

PlGF-1 Antibody - 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](#)

PlGF-1 Antibody - Images

PlGF-1 Antibody - Background

PlGF-1(also called Placenta Growth Factor-1, PLGF, and PGF) is an angiogenic factor that belongs to the cysteine-knot superfamily of growth factors. PlGF-1 is expressed in placental tissues, colon and mammary carcinomas. It signals through the VEGFR-1/FLT1 receptor and stimulates endothelial cell proliferation and migration. Human PlGF-1 is a 29.7 kDa disulfide-linked homodimeric protein of two 131 amino acid polypeptide chains.