

PLGF Antibody
Rabbit mAb
Catalog # AP91445

Specification

PLGF Antibody - Product Information

Application	WB, IP
Primary Accession	P49763
Clonality	Monoclonal
Other Names	
PgF; PGFL; PIGF; Placenta growth factor; Placental growth factor, vascular endothelial growth factor related protein; PIGF; PIGF2; SHGC 10760;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24789 Da

PLGF Antibody - Additional Information

Dilution	WB~~1:1000 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PLGF
Description	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

PLGF 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 PIGF-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

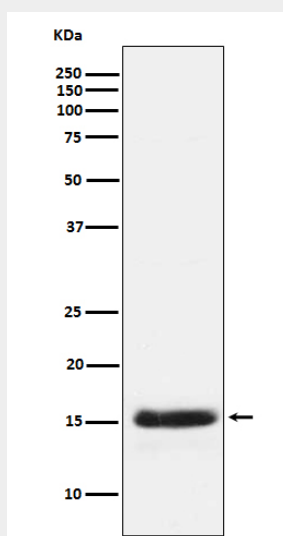
While the three isoforms are present in most placental tissues, PLGF-2 is specific to early (8 week) placenta and only PLGF-1 is found in the colon and mammary carcinomas

PLGF 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 Antibody - Images



Western blot analysis of PLGF expression in human PLGF Recombinant protein.