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Goat Anti-PLGF Antibody

Peptide-affinity purified goat antibody

Catalog # AF2194a

Specification

Goat Anti-PLGF Antibody - Product Information

Application	**WB**
Primary Accession	P49763
Other Accession	NP_002623, 5228
Reactivity	**Human**
Predicted	**Pig**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**24789**

Goat Anti-PLGF Antibody - Additional Information

Gene ID 5228

Other Names
Placenta growth factor, PlGF, PGF, PGFL, PLGF

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

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

Goat Anti-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 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

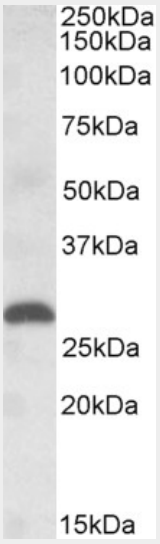
Tissue Location
While the three isoforms are present in most placental tissues, PlGF-2 is specific to early (8 week) placenta and only PlGF-1 is found in the colon and mammary carcinomas

Goat Anti-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 Cytomety
- Cell Culture

Goat Anti-PLGF Antibody - Images



AF2194a (1 µg/ml) staining of Human Placenta lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-PLGF Antibody - References

A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868.
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predispose to spontaneous preterm labor with intact membranes. Romero R, et al. Am J Obstet Gynecol, 2010 May. PMID 20452482.
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