

PLGF Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250824

Unit: 0.1 mg

Description:

Placenta growth factor (PLGF or PIGF) is a dimeric glycoprotein showing the highest degree of sequence similarity to the vascular endothelial growth factor. Alternative splicing of the PLGF primary transcript gives rise to three forms named PIGF-1, 2 and 3, which differ only in the insertion of a highly basic 21-amino acid stretch at the carboxyl end. PLGF is active in angiogenesis and endothelial cell growth by stimulating their proliferation and migration. PLGF binds to receptor VEGFR-1/FLT1. PLGF-2 binds neuropilin-1 and 2 in a heparin-dependent manner. Whereas the three forms are present in most placental tissues, PIGF-2 is specific to early (8 week) placenta and only PIGF-1 is found in the colon and mammary carcinomas.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

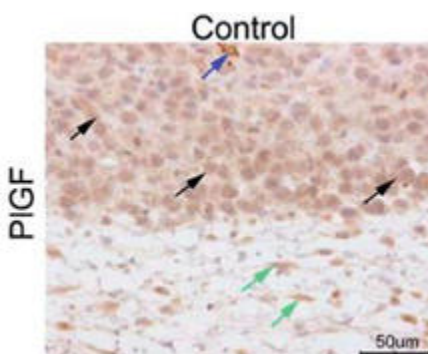
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

Alternate Names: Placenta growth factor; PIGF; PGFL; PLGF; PGF

Accession No.: P49763

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PLGF.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



PLGF staining in mouse melanoma. Formalin-fixed paraffin-embedded mouse B16F10 melanoma cells in subcutaneous tissue are stained with PLGF Antibody (Cat. No. 250824) used at 1:50 dilution. Data from Bagley R. et al. 2011.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Wu MY et al. 2013. European Journal of Pharmacology. doi: 10.1016/j.ejphar.2013.07.010. PMID# 23872401. [2] Tu H et al. 2013. Journal of Cellular Physiology. Research Article. 228(5):983-990. PMID# 23042533. [3] Bagley R et al. 2011. Clin Cancer Res. 17:976-988. PMID# 21343374.

For research use only, not for diagnostic or therapeutic procedures.