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# PLGF Rabbit pAb

Catalog # AP96944

## Product Information

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| **Application** | WB |
| **Primary Accession** | P49764 |
| **Other Accession** | P49764 |
| **Reactivity** | Rat |
| **Predicted** | Pig, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 17876 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from mouse PLGF |
| **Epitope Specificity** | 101-158/158 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the PDGF/VEGF growth factor family. |
| **SUBUNIT** | Antiparallel homodimer; disulfide-linked. Also found as heterodimer with VEGFA/VEGF. |
| **Post-translational modifications** | N-glycosylated. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The placental-derived growth factor (PIGF) is a dimeric glycoprotein showing a high degree of sequence similarity to the vascular endothelial growth factor. Alternative splicing of the PIGF primary transcript gives rise to two forms, named PIGF-1 and PIGF-2, which differ only in the insertion of a highly basic 21-amino acid stretch at the carboxyl end. The presence of the PIGF mRNA in thyroid, placenta, lung, and goiter has indicated the tissues where this factor functions. However, the role of PIGF in vascular development has not yet been clearly established. |

## Additional Information

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| **Gene ID** | 18654 |
| **Other Names** | D12S1900; PGFL; PIGF; PLGF; PlGF-2; SHGC-10760; PLGF_HUMAN; PGF; PLGF_MOUSE; PLGF_RAT; placental growth factor; placental growth factor-like; placental growth factor, vascular endothelial growth factor-related protein; placenta growth factor |
| **Dilution** | WB=1:500-2000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When |

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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| **Name** | Pgf |
| **Synonyms** | Plgf |
| **Function** | Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Also promotes cell tumor growth (By similarity). |
| **Cellular Location** | Secreted. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.