OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP31725PU-L

Pgf Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western Blot:** 2-5 µg/ml. No cross-reactivity with recombinant Human PlGF under non-reducing conditions is observed. **Immunofluorescence/Immunohistochemistry:** 1/200. **Immunohistochemistry on Paraffin Sections.**
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Highly pure (> 95%) recombinant Mouse PlGF (Ala24-Pro158) derived from Sf9 insect cells (*Cat.-No* AR26011PU-L).
Specificity:	Recognizes Mouse PlGF. Other species not tested.
Formulation:	5mM PBS, pH 7.2 **Endotoxin level:** < 0.1 EU/1 µg of the antibody (LAL) State: Purified State: Liquid purified IgG fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	placental growth factor

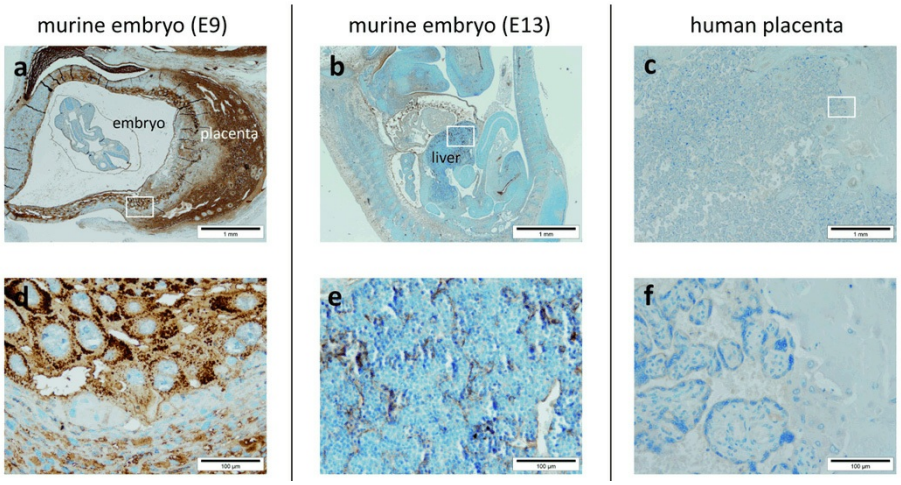
View online »

Database Link: Entrez Gene 18654 Mouse
P49764

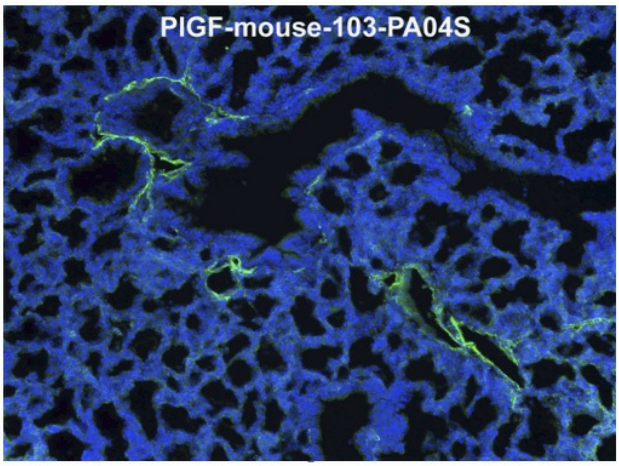
Background: Placenta growth factor (PlGF) is a member of the vascular endothelial growth factor (VEGF) family of growth factors. PlGF and VEGF share primary structural as well as limited amino acid sequence homology with the A and B chains of PDGF. All eight cysteine residues involved in intra and interchain disulfides are conserved among these growth factors. As a result of alternative splicing, three PlGF RNAs encoding monomeric human PlGF1, PlGF2 and PlGF3 isoform precursors containing 149, 179 and 219 amino acid residues, respectively, have been described. In normal mouse tissues, only one mouse PlGF mRNA encoding the equivalent of human PlGF2 has been identified. Mouse PlGF shares 65% amino acid identity with human PlGF2. The gene for PlGF has been mapped to mouse chromosome 12 and human chromosome 14. PlGF binds with high affinity to Flt1, but not to Flk1/KDR.

Synonyms: PGFL, PLGF, PlGF

Product images:



Immunohistochemical staining of PlGF in paraffin-embedded mouse placenta embryo (a and b) showing intense cytoplasmic staining in mouse placenta at E9. In the embryo a positive signal was observed in endothelial structures of highly vascularized organs. Cross-reactivity of antibody was disproved as staining of human placenta did not reveal any signal©. Lower panel shows higher magnification of boxes in a-c. The experimentswereperformedbyDr. Frank Bicker fromtheresearchgroup ??Molecular Signal Transduction?? (Prof. Dr. Mirko HH Schmidt), Institute ofMicroscopicAnatomyandNeurobiology, University Medical Center of Johannes Gutenberg University Mainz, Germany.



Immunofluorescence staining (green) of mouse lung tissue (ED18) with anti-Mouse PlGF Antibody. The experiment was performedbytheresearchgroupof Prof. Dr. J. Wilting, University GÃ¶ttingen, Germany.