10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PLGF Rabbit pAb

Catalog # AP96472

Product Information

Application	WB
Primary Accession	P49764
Other Accession	P49764
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17876
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse PLGF
Epitope Specificity	131-158/158
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

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

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'.