

For Research Use Only

PGF/PIGF Polyclonal antibody

Catalog Number: 10642-1-AP

Featured Product

30 Publications



Basic Information

Catalog Number:

10642-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0969

GenBank Accession Number:

BC007789

GeneID (NCBI):

5228

UNIPROT ID:

P49763

Full Name:

placental growth factor

Calculated MW:

25 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:200-1:800

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC: human placenta tissue, human breast cancer tissue, human kidney tissue, human meningioma tissue, mouse kidney tissue

Background Information

Placenta growth factor (PLGF) is also named as PGF and PGFL. PGF is a homodimeric glycoprotein, 46-50 kDa in size, belonging to the vascular endothelial growth factor (VEGF) sub-family. It plays an important role in pathological VEGF-driven angiogenesis. PLGF is expressed not only in placental cells but also in colon and mammary carcinomas. It acts as a primary inflammatory instigator of atherosclerotic plaque instability and thus may be useful as a risk-predicting biomarker in patients with acute coronary syndromes (ACS).

Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Ma	31562866	Eur J Pharmacol	IF
Jun Tao	33010604	Placenta	
Yudong Song	30241030	Biomaterials	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

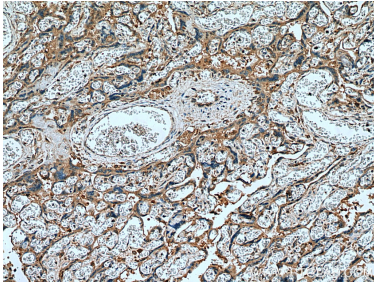
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

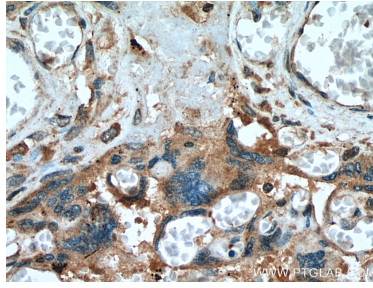
E: proteintech@ptglab.com
W: ptglab.com

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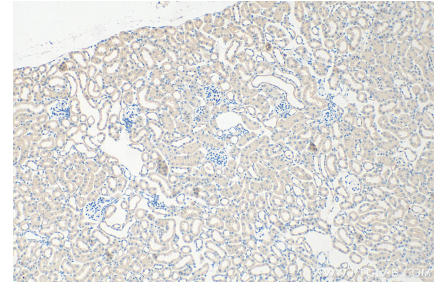
Selected Validation Data



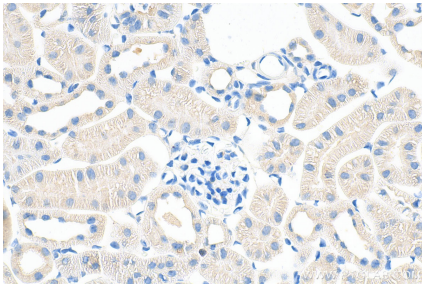
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10642-1-AP (Placental Growth Factor antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10642-1-AP (Placental Growth Factor antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10642-1-AP (PGF/PIGF antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 10642-1-AP (PGF/PIGF antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).