Placenta Growth Factor (PLGF) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Placenta Growth Factor (PLGF), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Placenta Growth Factor (PLGF)
Product Gene Name	anti-PLGF antibody
Product Synonym Names	PlGF2; PGF; PGFL; Placental Growth Factor-Like; Vascular Endothelial Growth Factor-Related Protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: PLGF (MBS2003888) HRP Conjugated Antibody: PLGF (MBS2037969)
Matching Pairs	HRP Conjugated Antibody: PLGF (MBS2037969) Immunogen: PLGF (MBS2010252)
Molecular Weight	17,876 Da
3D Structure	ModBase 3D Structure for P49764
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	PLGF (Val19~Pro158)
Conjugation	HRP
Cross Reactivity	Mouse
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2003888
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PLGF antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-PLGF antibody	MBS2037969 is an antibody targeting PLGF. Also known as HRP-Linked Polyclonal Antibody to Placenta Growth Factor (PLGF). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PLGF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLGF. It may not necessarily be applicable to this product.

NCBI GI #	6679289
NCBI GeneID	18654
NCBI Accession #	NP_032853.1
UniProt Primary Accession #	P49764

UniProt Related Accession #	P49764
GenBank Nucleotide #	NM_008827.3
NCBI Official Full Name	placenta growth factor isoform 1
NCBI Official Synonym Full Names	placental growth factor
NCBI Official Symbol	Pgf
NCBI Official Synonym Symbols	PIGF; Plgf; AI854365
UniProt Protein Name	Placenta growth factor
Protein Family	Placenta growth factor
UniProt Gene Name	Pgf
UniProt Synonym Gene Names	Plgf; PlGF
NCBI Protein Information	placenta growth factor
UniProt Comments for PLGF	PGF: Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PlGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth. Belongs to the PDGF/VEGF growth factor family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 12 D1|12 39.58 cM Cellular Component: extracellular region; extracellular space Molecular Function: growth factor activity; protein heterodimerization activity; protein homodimerization activity; vascular endothelial growth factor receptor binding Biological Process: angiogenesis; induction of positive chemotaxis; positive regulation of angiogenesis; positive regulation of cell proliferation; positive regulation of endothelial cell proliferation; response to hypoxia; sprouting angiogenesis; ureteric bud branching; vascular endothelial growth factor receptor signaling pathway
Research Articles on PLGF	**1.** PGF deficiency is associated with impaired cerebral vascular development in mice.
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