

# Product Datasheet

## PLGF Antibody (JA63-15)

### NBP2-67067

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 3

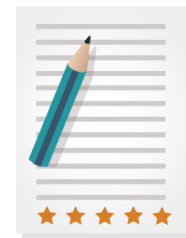
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
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Updated 10/23/2024 v.20.1

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**NBP2-67067**

PLGF Antibody (JA63-15)

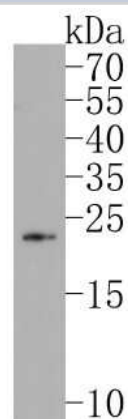
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JA63-15
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	5228
Gene Symbol	PGF
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human PLGF aa 48-97 / 221. (SwissProt: P49763 Human; SwissProt: P49764 Mouse; SwissProt: Q63434 Rat)

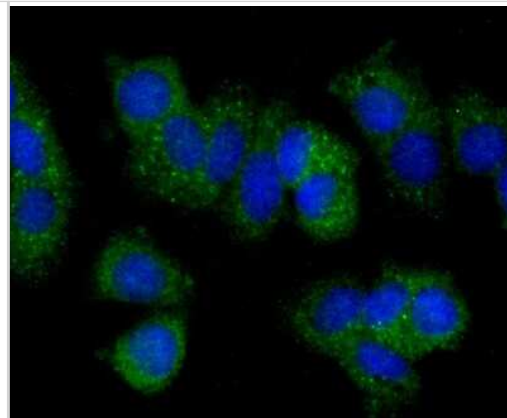
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

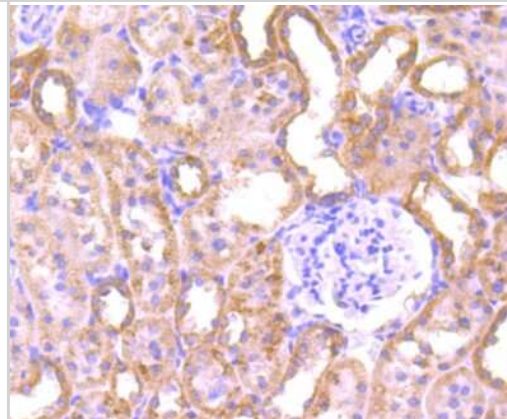
Western Blot: PLGF Antibody (JA63-15) [NBP2-67067] - Western blot analysis of PLGF on JAR cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.



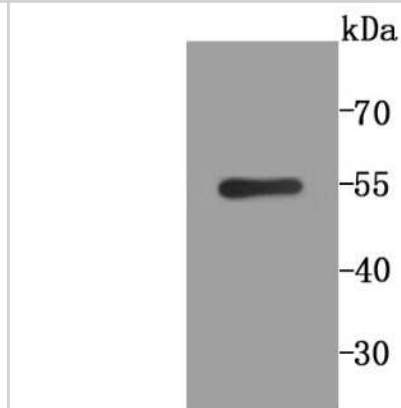
Immunocytochemistry/Immunofluorescence: PLGF Antibody (JA63-15) [NBP2-67067] - Staining PLGF in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



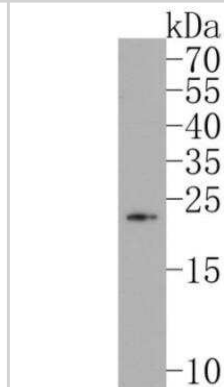
Immunohistochemistry-Paraffin: PLGF Antibody (JA63-15) [NBP2-67067] - Analysis of paraffin-embedded rat kidney tissue using anti-PLGF antibody. Counter stained with hematoxylin.



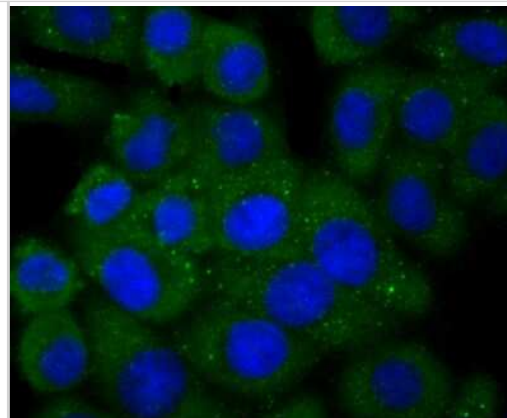
Western Blot: PLGF Antibody (JA63-15) [NBP2-67067] - Analysis of PLGF on SH-SY5Y cell lysate using anti-PLGF antibody at 1/1,000 dilution.



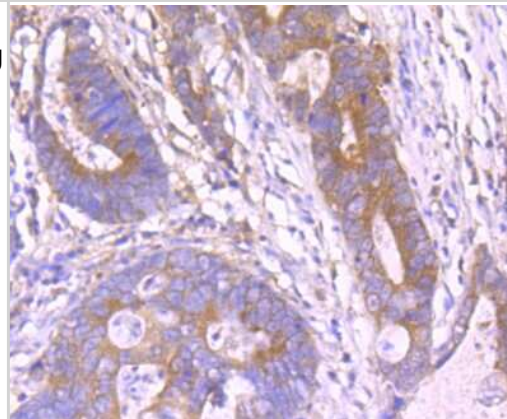
Western Blot: PLGF Antibody (JA63-15) [NBP2-67067] - Analysis of PLGF on JAR cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



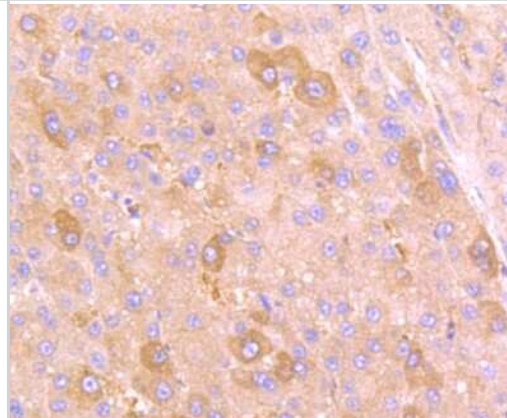
Immunocytochemistry/Immunofluorescence: PLGF Antibody (JA63-15) [NBP2-67067] - Staining PLGF in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



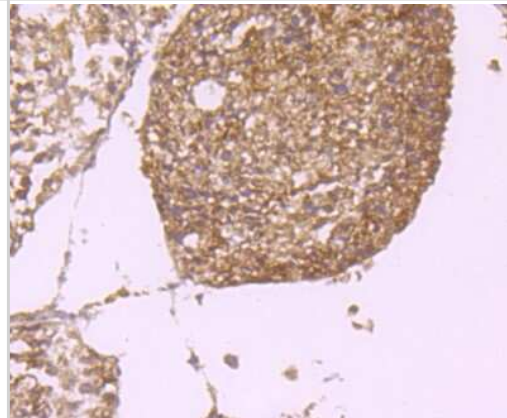
Immunohistochemistry-Paraffin: PLGF Antibody (JA63-15) [NBP2-67067] - Analysis of paraffin-embedded human colon cancer tissue using anti-PLGF antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: PLGF Antibody (JA63-15) [NBP2-67067] - Analysis of paraffin-embedded human liver cancer tissue using anti-PLGF antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: PLGF Antibody (JA63-15) [NBP2-67067] - Analysis of paraffin-embedded mouse orchis tissue using anti-PLGF antibody. Counter stained with hematoxylin.



## Publications

Tatar M, Uslu S, Öner J Expression of placental growth factor and a disintegrin and metalloprotease with a thrombospondin type motifs 1-4-8 during the three trimesters of rat pregnancy at the maternal-fetal interface *Anatomia, histologia, embryologia* 2023-07-09 [PMID: 37424113]

Tatar M, Tufekci KK, Uslu S, Oner J Expression of ADAMTS 1-4-8 and placental growth factor in ovary and oviduct during pregnancy in the first trimester *Anatomia, histologia, embryologia* 2023-04-04 [PMID: 37014320]

Lennikov A, Mukwaya A, Fan L et al. Synergistic interactions of PlGF and VEGF contribute to blood-retinal barrier breakdown through canonical NF kappa B activation *Experimental Cell Research* 2020-10-01 [PMID: 33130176]





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### **Products Related to NBP2-67067**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-61317-5ug	Recombinant Human PLGF Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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