

**Goat Anti-fibrinogen gamma chain Antibody**  
Peptide-affinity Purified goat antibody  
Catalog # AF4127a

**Specification**

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**Goat Anti-fibrinogen gamma chain Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P02679</a>
Other Accession	<a href="#">NP_000500.2</a> , <a href="#">NP_068656.2</a> , <a href="#">2266</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	51512

**Goat Anti-fibrinogen gamma chain Antibody - Additional Information**

**Gene ID** 2266

**Other Names**

Fibrinogen gamma chain, FGG

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Immunogen**

Peptide with sequence C-QDIANKGAKQS, from the internal region of the protein sequence according to NP\_000500.2; NP\_068656.2. Please note the peptide is available for sale.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-fibrinogen gamma chain Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-fibrinogen gamma chain Antibody - Protein Information**

**Name** FGG

**Function**

Together with fibrinogen alpha (FGA) and fibrinogen beta (FGB), polymerizes to form an insoluble fibrin matrix. Has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Was originally thought to be essential for platelet

aggregation, based on in vitro studies using anticoagulated blood. However, subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets via an ITGB3-dependent pathway. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the antibacterial immune response via both innate and T-cell mediated pathways.

**Cellular Location**

Secreted

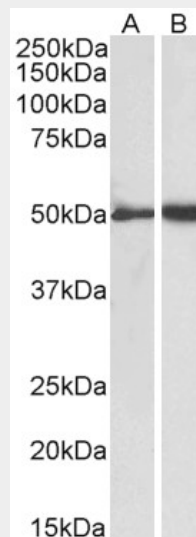
**Tissue Location**

Detected in blood plasma (at protein level).

**Goat Anti-fibrinogen gamma chain Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-fibrinogen gamma chain Antibody - Images**

AF4127a (0.1 µg/ml) staining of Human Plasma (A) and Platelets (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-fibrinogen gamma chain Antibody - Background**

This antibody is expected to recognize both reported isoforms (NP\_000500.2; NP\_068656.2).

**Goat Anti-fibrinogen gamma chain Antibody - References**

The pleiotropic role of the fibrinogen gamma' chain in hemostasis. Uitte de Willige S, Standeven KF, Philippou H, Ariëns RA. *Blood* 2009 Nov 114 (19): 3994-4001. PMID: 19687509