

## Goat Anti-fibrinogen gamma chain (aa166-178) Antibody

Peptide-affinity Purified goat antibody Catalog # AF4128a

#### **Specification**

### Goat Anti-fibrinogen gamma chain (aa166-178) Antibody - Product Information

Application WB, E
Primary Accession P02679

Other Accession NP 000500.2, NP 068656.2, 2266

Reactivity
Host
Clonality
Concentration
Goat
Concentration

Isotype IgG
Calculated MW 51512

## Goat Anti-fibrinogen gamma chain (aa166-178) Antibody - Additional Information

**Gene ID 2266** 

#### **Other Names**

Fibrinogen gamma chain, FGG

#### **Dilution**

WB~~1:1000

E~~N/A

#### **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-KDTVQIHDITGKD, 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 (aa166-178) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-fibrinogen gamma chain (aa166-178) 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** 

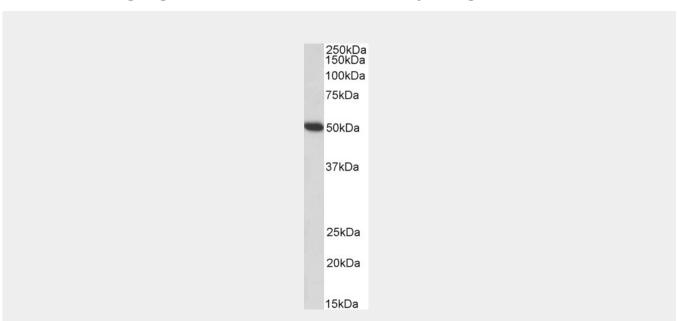
Detected in blood plasma (at protein level).

#### Goat Anti-fibrinogen gamma chain (aa166-178) 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 Cytomety
- Cell Culture

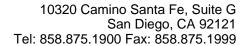
### Goat Anti-fibrinogen gamma chain (aa166-178) Antibody - Images



AF4128a (0.01  $\mu$ g/ml) staining of Human Platelets lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-fibrinogen gamma chain (aa166-178) Antibody - Background

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





# Goat Anti-fibrinogen gamma chain (aa166-178) 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