

**Fibrinogen beta chain Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50861****Specification**

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**Fibrinogen beta chain Antibody - Product Information**

Application	IF, WB, IHC
Primary Accession	<a href="#">P02675</a>
Reactivity	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51; [uniprot,origene,epi]56; KDa
Antigen Region	401-491/491

**Fibrinogen beta chain Antibody - Additional Information****Gene ID** 2244**Other Names**

Fibrinogen beta chain, Fibrinopeptide B, Fibrinogen beta chain, FGB

**Dilution**

<span class = "dilution\_IF">IF~~1:100~1:200</span><br \><span class = "dilution\_WB">WB~~1:500</span><br \><span class = "dilution\_IHC">IHC~~1:100-1:500</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Fibrinogen beta chain Antibody - Protein Information****Name** FGB**Function**

Cleaved by the protease thrombin to yield monomers which, together with fibrinogen alpha (FGA) and fibrinogen gamma (FGG), polymerize to form an insoluble fibrin matrix. Fibrin 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. 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

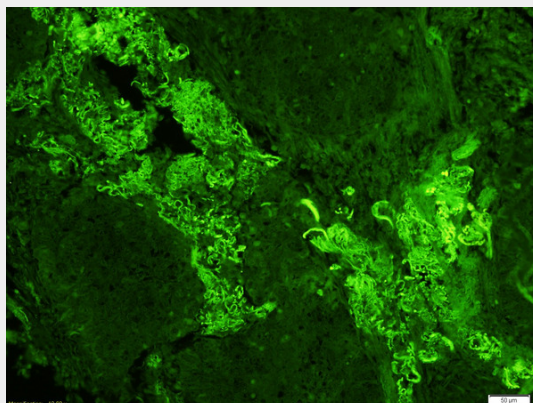
Detected in blood plasma (at protein level).

### Fibrinogen beta chain Antibody - Protocols

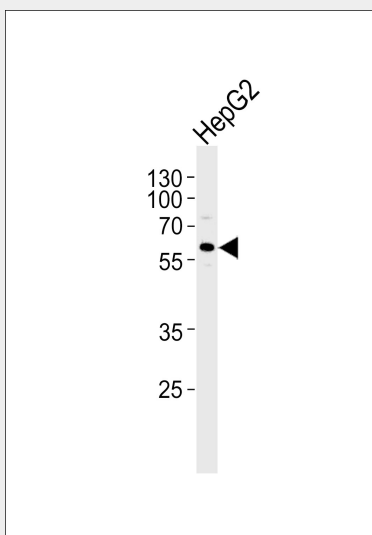
Provided below are standard protocols that you may find useful for product applications.

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

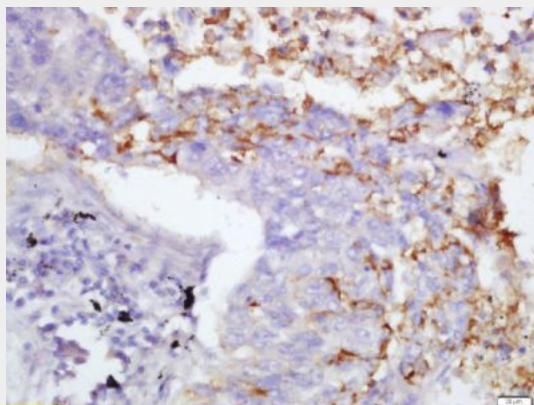
### Fibrinogen beta chain Antibody - Images



Formalin-fixed and paraffin-embedded human lung carcinoma labeled with Anti-Fibrinogen beta chain Polyclonal Antibody, Unconjugated AP50861 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, FITC conjugated used at 1:200 dilution for 40 minutes at 37°C.



Western blot analysis of lysate from HepG2 cell line, using Fibrinogen beta chain Antibody (AP50861). AP50861 was diluted at 1:500. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer at 37°C for 20 min; Incubation: Anti-Fibrinogen beta chain Polyclonal Antibody, Unconjugated 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

#### **Fibrinogen beta chain Antibody - Background**

Fibrinogen has a double function: yielding monomers that polymerize into fibrin and acting as a cofactor in platelet aggregation.

#### **Fibrinogen beta chain Antibody - References**

Chung D.W., et al. *Biochemistry* 22:3244-3250 (1983).  
Chung D.W., et al. *Adv. Exp. Med. Biol.* 281:39-48 (1990).  
Chung D.W., et al. (In) Liu C.Y., Chien S. (eds.);  
Ota T., et al. *Nat. Genet.* 36:40-45 (2004).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.