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FGG Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7325b

Specification

FGG Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P02679
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**51512**
Antigen Region	**417-445**

FGG Antibody (C-term) - Additional Information

Gene ID 2266

Other Names
Fibrinogen gamma chain, FGG

Target/Specificity
This FGG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 417-445 amino acids from the C-terminal region of human FGG.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

Precautions
FGG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FGG Antibody (C-term) - 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

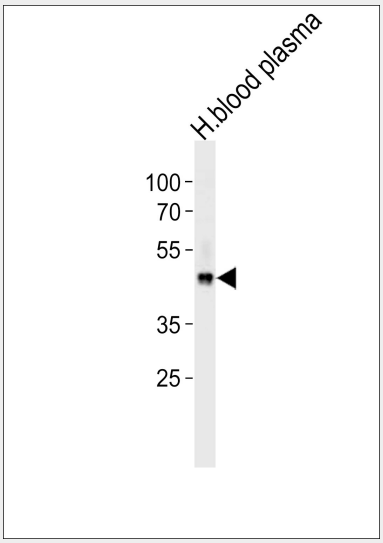
Tissue Location
Detected in blood plasma (at protein level).

FGG Antibody (C-term) - Protocols

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

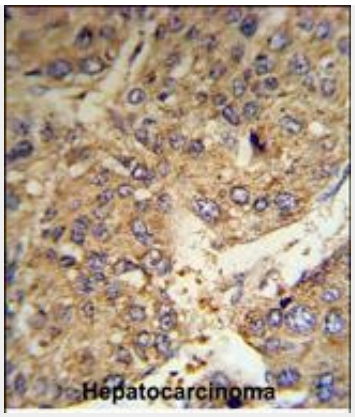
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FGG Antibody (C-term) - Images

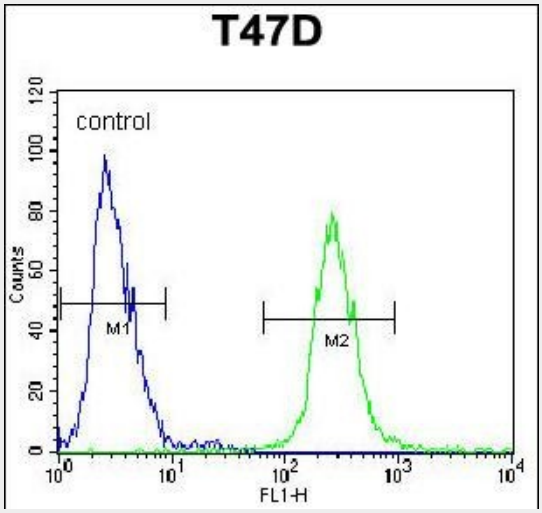


FGG Antibody (C-term) (Cat. #AP7325b) western blot analysis in human blood plasma cell line lysates (35ug/lane).This demonstrates the FGG antibody detected the FGG protein (arrow).

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FGG Antibody (C-term) (RB18714) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FGG Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FGG Antibody (C-term) (Cat. #AP7325b) flow cytometric analysis of T47D cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FGG Antibody (C-term) - Background

FGG is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this protein lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia.

FGG Antibody (C-term) - References

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Nowak-Gottl,U., Weiler,H. Blood (2009) In press
de Willige,S.U., Pyle,M.E. Thromb. Haemost. 101 (6), 1078-1084 (2009)
Yoshida,N., Imaoka,S. Thromb. Haemost. 68 (5), 534-538 (1992)