

Datasheet for ABIN4886589
anti-FGG antibody (N-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	FGG
Binding Specificity:	AA 133-163, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGG antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Anti-Fibrinogen gamma chain/FGG Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human FGG, different from the related mouse sequence by two amino acids, and from the related rat sequence by five amino acids.
Sequence:	IRYLQEIYNS NNQKIVNLKE KVAQLEAQCQ E
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Fibrinogen gamma chain/FGG Antibody Picoband® (ABIN4886589). Tested in Flow Cytometry, IHC, IHC-F, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high

Product Details

affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: FGG

Alternative Name: FGG ([FGG Products](#))

Background: Synonyms: Fibrinogen gamma chain, FGG, PRO2061,
Tissue Specificity: Detected in blood plasma (at protein level).
Background: Fibrinogen gamma chain, also known as FGG, is a human gene found on Chromosome 4. The protein encoded by this gene 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 gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Alternative splicing results in transcript variants encoding different isoforms.

Molecular Weight: 52 kDa

Gene ID: 2266

UniProt: [P02679](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Immunohistochemistry (Frozen Section), 0.5-1 µg/mL, Human
Immunocytochemistry, 0.5-1 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
1. Budzynski, A. Z., Marder, V. J., Menache, D., Guillin, M.-C. Defect in the gamma polypeptide chain of a congenital abnormal fibrinogen (Paris I). Nature 252: 66-68, 1974.
2. Ebert, R. F., Bell, W. R. Fibrinogen Baltimore III: congenital dysfibrinogenemia with a shortened gamma-subunit. Thromb. Res. 51: 251-258, 1988.
3. Fornace, A. J., Jr., Cummings, D. E., Comeau, C. M., Kant, J. A., Crabtree, G. R. Structure of the human gamma-fibrinogen gene: alternate mRNA splicing near the 3-prime end of the gene

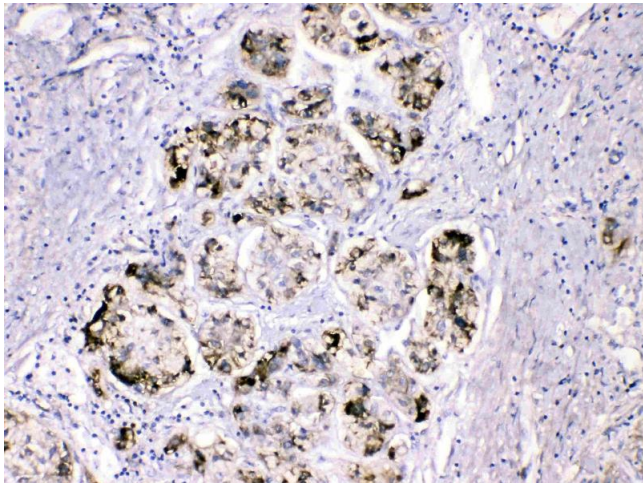
Application Details

	produces gamma-A and gamma-B forms of gamma-fibrinogen. J. Biol. Chem. 259: 12826-12830, 1984.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

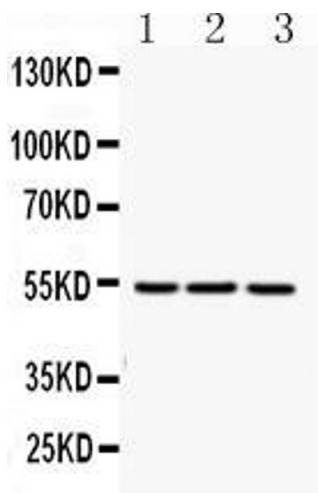
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. FGG was detected in paraffin-embedded sections of human liver cancer tissues using rabbit anti- FGG Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 2. Western blot analysis of FG expression in rat liver extract (Lane 1), mouse liver extract (Lane 2) and HEPG2 whole cell lysates (Lane 3). FG at 52KD was detected using rabbit anti- FG Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).