

Rabbit FGG Polyclonal Antibody | anti-FGG antibody

Anti-FGG Antibody

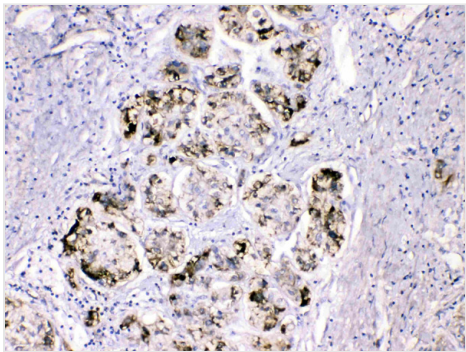
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46725	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

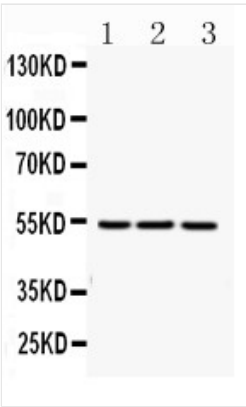
FGG; Polyclonal Antibody; Anti-FGG Antibody; Fibrinogen gamma chain; Fibrinogen gamma polypeptide; fibrinogen gamma-b chain; P02679; anti-FGG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	437
Applicable Applications for anti-FGG antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FGG (133-163aa IRYLQEIYNSNNQKIVNLKEKVAQLEAQCQE), different from the related mouse sequence by two amino acids, and from the related rat sequence by five amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



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



WB (Western Blot)
Western blot analysis of FGG expression in rat liver extract (lane 1), mouse liver extract (lane 2) and HEPG2 whole cell lysates (lane 3). FGG at 52KD was detected using rabbit anti- FGG Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-FGG antibody	Rabbit IgG polyclonal antibody for Fibrinogen gamma chain(FGG) detection. 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.
References	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 produces gamma-A and gamma-B forms of gamma-fibrinogen. J. Biol. Chem. 259: 12826-12830, 1984.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70906437
NCBI GeneID	2266
NCBI Accession #	NP_000500.2
NCBI GenBank Nucleotide #	NM_000509.5
UniProt Accession #	P02679; P04469; P04470; Q53Y18; Q96A14; Q96KJ3; Q9UC62; Q9UC63; Q9UCF3; A8K057
Molecular Weight	49,497 Da
NCBI Official Full Name	fibrinogen gamma chain isoform gamma-A
NCBI Official Synonym Full Names	fibrinogen gamma chain
NCBI Official Symbol	FGG
NCBI Protein Information	fibrinogen gamma chain
UniProt Protein Name	Fibrinogen gamma chain
UniProt Gene Name	FGG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fgg-antibody-immunohistochemistry-western-blot-elisa/46725>