

Product datasheet for **AM06682SU-N**

Fibrinogen gamma chain (FGG) Mouse Monoclonal Antibody [Clone ID: 4H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4H9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human FGG expressed in E. Coli.
Specificity:	This antibody reacts to FGG.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	52 kDa
Gene Name:	fibrinogen gamma chain
Database Link:	Entrez Gene 2266 Human P02679



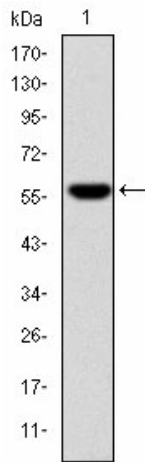
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Background:

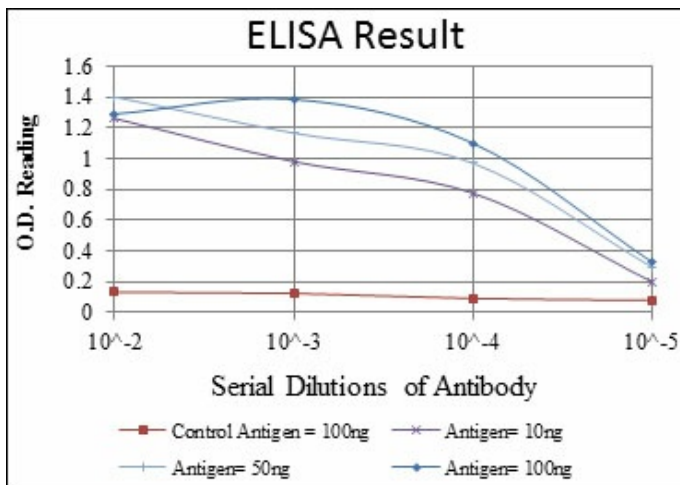
The protein encoded by this gene is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, 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 two transcript variants encoding different isoforms.

Synonyms:

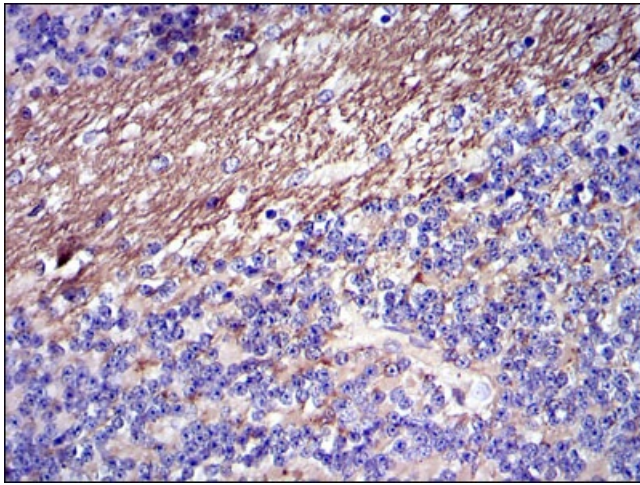
FGG, PRO2061, FIBG

Product images:


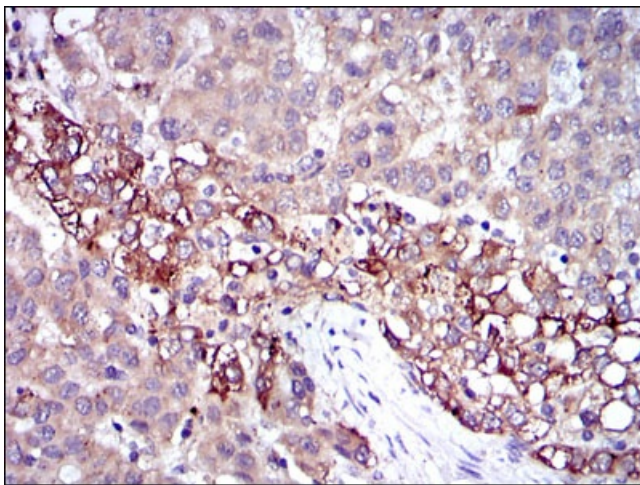
Western blot analysis using FGG mAb against human FGG (AA: 210-437) recombinant protein. (Expected MW is 51.5 kDa)



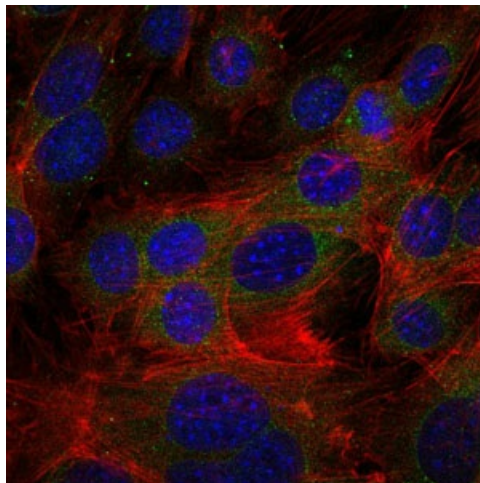
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



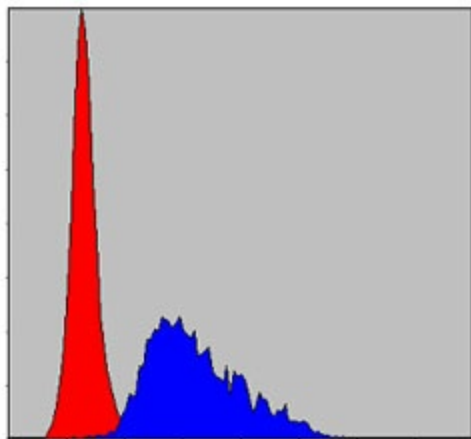
Immunohistochemical analysis of paraffin-embedded cerebellum tissues using FGG mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues using FGG mouse mAb with DAB staining.



Immunofluorescence analysis of 3T3-L1 cells using FGG mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HepG2 cells using FGG mouse mAb (blue) and negative control (red).