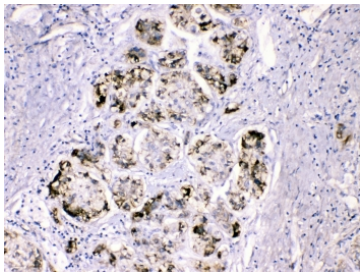
Fibrinogen gamma chain Antibody / FGG (R32594)

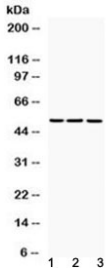
Catalog No.	Formulation	Size
R32594	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

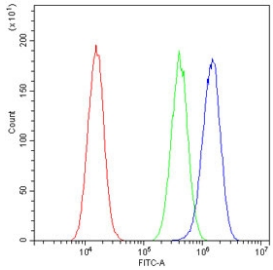
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P02679
Localization	Secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/10^6 cells
Limitations	This Fibrinogen gamma chain antibody is available for research use only.



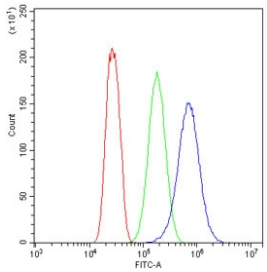
IHC testing of FFPE human liver cancer tissue with Fibrinogen gamma chain antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat liver, 2) mouse liver and 3) human HepG2 lysate with Fibrinogen gamma chain antibody at 0.5ug/ml. Predicted molecular weight ~50 kDa.



Flow cytometry testing of human A549 cells with Fibrinogen gamma antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fibrinogen gamma antibody.



Flow cytometry testing of human SiHa cells with Fibrinogen gamma antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fibrinogen gamma antibody.

Description

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.

Application Notes

Optimal dilution of the Fibrinogen gamma chain antibody should be determined by the researcher.

Immunogen

Amino acids 133-163 (IRYLQEIYNSNNQKIVNLKEKVAQLEAQCQE-human) were used as the immunogen for the Fibrinogen gamma chain antibody.

Storage

After reconstitution, the Fibrinogen gamma chain antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.