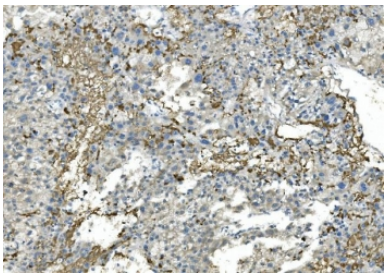
FGB Antibody / Fibrinogen beta chain [clone 6D12] (RQ6233)

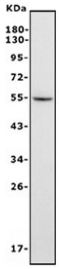
Catalog No.	Formulation	Size
RQ6233	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	6D12
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P02675
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This FGB antibody is available for research use only.



IHC staining of FFPE human liver cancer with FGB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human HepG2 cell lysate with FGB antibody. Predicted molecular weight ~56 kDa.

Description

Fibrinogen beta chain, mapped to 4q31.3, is also known as FGB. The protein encoded by this gene is the beta 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 afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the FGB antibody should be determined by the researcher.

Immunogen

Amino acids TNLRVLRSILENLRSKIQKLESDVSAQMEYCRT from the human protein were used as the immunogen for the FGB antibody.

Storage

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