



Fibrinogen γ Monoclonal Antibody

Catalog No	BYab-03398
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;FCM;ELISA
Gene Name	FGG
Protein Name	Fibrinogen gamma chain
Immunogen	Purified recombinant fragment of human Fibrinogen γ expressed in E. Coli.
Specificity	Fibrinogen γ Monoclonal Antibody detects endogenous levels of Fibrinogen γ protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/200 - 1/1000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	FGG; Fibrinogen gamma chain
Observed Band	
Cell Pathway	Secreted .
Tissue Specificity	Detected in blood plasma (at protein level).
Function	disease:Defects in FGG are a cause of congenital afibrinogenemia [MIM:202400]. It is a rare autosomal recessive disorder characterized by complete absence of detectable fibrinogen.,disease:Defects in FGG are a cause of thrombophilia.,domain:A long coiled coil structure formed by 3 polypeptide chains connects the central nodule to the C-terminal domains (distal nodules). The long C-terminal ends of the alpha chains fold back, contributing a fourth strand to the coiled coil structure.,function:Fibrinogen has a double function: yielding monomers that polymerize into fibrin and acting as a cofactor in platelet aggregation.,miscellaneous:The gamma-chain carries the main binding site for the platelet receptor.,online information:Fibrinogen entry,PTM:Conversion of fibrinogen to fibrin is triggered by thrombin, which cleaves fibrinopeptides A and B

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from alpha and beta chains, and thus exposes th

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 transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015],

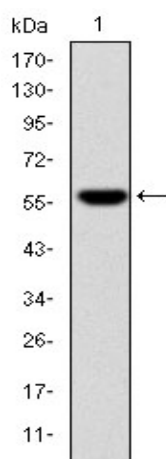
matters needing attention

Avoid repeated freezing and thawing!

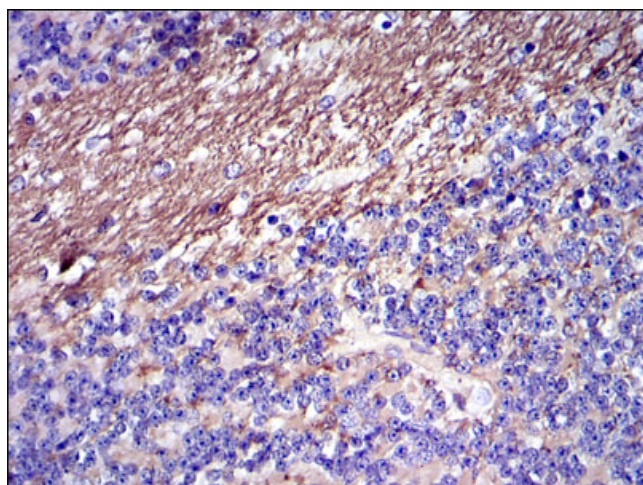
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using Fibrinogen γ Monoclonal Antibody against recombinant protein.



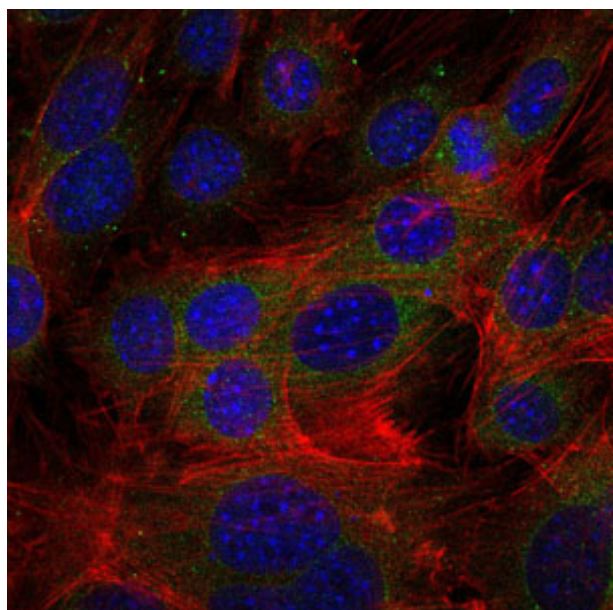
Immunohistochemistry analysis of paraffin-embedded cerebellum tissues with DAB staining using Fibrinogen γ Monoclonal Antibody.

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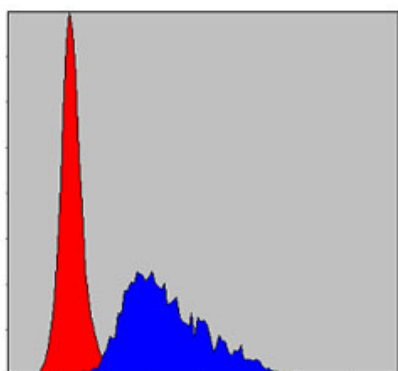
网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658



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



Flow cytometric analysis of HepG2 cells using Fibrinogen γ Monoclonal Antibody (blue) and negative control (red).

