



Fibrinogen γ Monoclonal Antibody

Catalog No	YP-Ab-03397
Isotype	IgG
Reactivity	Human
Applications	WB;IF;ELISA
Gene Name	FGG
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. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Fibrinogen γ ;FGG;Fibrinogen gamma chain
Observed Band	
Calculated Molecular Weight	
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 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

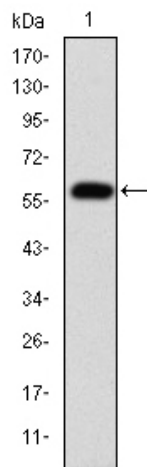
Avoid repeated freezing and thawing!

Usage suggestions

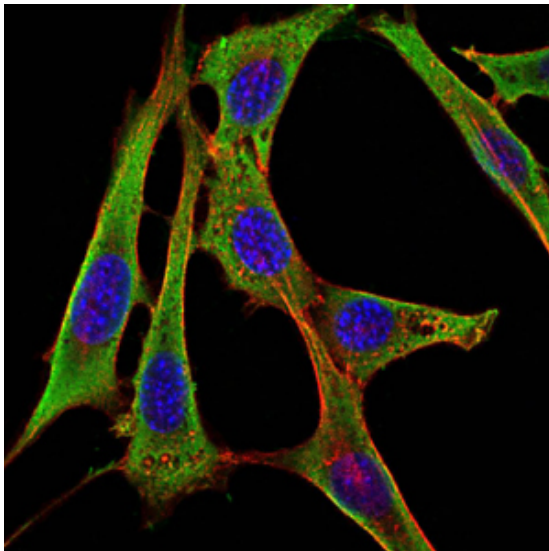
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



Western Blot analysis using Fibrinogen γ Monoclonal Antibody against human Fibrinogen γ (AA: 210-437) recombinant protein.



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

