

# Anti-Fibrinogen gamma chain antibody [EPR3085] ab133339

Recombinant RabMAb

[1 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Fibrinogen gamma chain antibody [EPR3085]
<b>Description</b>	Rabbit monoclonal [EPR3085] to Fibrinogen gamma chain
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human plasma lysate
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant</p>
<b>Purity</b>	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR3085
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab133339 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

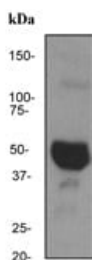
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 52 kDa.

**Application notes** Is unsuitable for ICC/IF, IHC-P or IP.

## Target

<b>Function</b>	Fibrinogen has a double function: yielding monomers that polymerize into fibrin and acting as a cofactor in platelet aggregation.
<b>Involvement in disease</b>	Defects in FGG are a cause of thrombophilia. Defects in FGG are a cause of congenital afibrinogenemia (CAFBN) [MIM:202400]. It is a rare autosomal recessive disorder characterized by complete absence of detectable fibrinogen.
<b>Sequence similarities</b>	Contains 1 fibrinogen C-terminal domain.
<b>Domain</b>	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.
<b>Post-translational modifications</b>	Conversion of fibrinogen to fibrin is triggered by thrombin, which cleaves fibrinopeptides A and B from alpha and beta chains, and thus exposes the N-terminal polymerization sites responsible for the formation of the soft clot. The soft clot is converted into the hard clot by factor XIIIa which catalyzes the epsilon-(gamma-glutamyl)lysine cross-linking between gamma chains (stronger) and between alpha chains (weaker) of different monomers. Sulfation of C-terminal tyrosines increases affinity for thrombin.
<b>Cellular localization</b>	Secreted.

## Images



Western blot - Anti-Fibrinogen gamma chain antibody [EPR3085] (ab133339)

Anti-Fibrinogen gamma chain antibody [EPR3085] (ab133339) at 1/1000 dilution + Human plasma cell lysate at 10 µg

### Secondary

Goat Anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 52 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Fibrinogen gamma chain antibody [EPR3085] (ab133339)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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