

Product datasheet

Anti-Fibrinogen gamma chain antibody [EPR3085] ab133339

Recombinant RabMAb

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

Overview

Product name	Anti-Fibrinogen gamma chain antibody [EPR3085]
Description	Rabbit monoclonal [EPR3085] to Fibrinogen gamma chain
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to residues in Human Fibrinogen gamma chain (UniProt: P02679).
Positive control	Human plasma lysate
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

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

	culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR3085
Isotype	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.

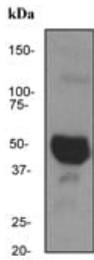
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 52 kDa.

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

Target

Function	Fibrinogen has a double function: yielding monomers that polymerize into fibrin and acting as a cofactor in platelet aggregation.
Involvement in disease	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.
Sequence similarities	Contains 1 fibrinogen C-terminal domain.
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.
Post-translational modifications	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.
Cellular localization	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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