

Product datasheet

Anti-Fibrinogen beta chain antibody [EPR3082] ab92510

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Anti-Fibrinogen beta chain antibody [EPR3082]
Description	Rabbit monoclonal [EPR3082] to Fibrinogen beta chain
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Fibrinogen beta chain aa 150-250. The exact sequence is proprietary.
Positive control	WB: Human prostate and Human plasma lysates IHC-P: Human liver tissue
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR3082
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab92510 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		
IHC-P		

Application notes

ICC: 1/100.

IHC-P: 1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

WB: 1/5000 - 1/10000. Predicted molecular weight: 56 kDa.

Is unsuitable for IP.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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 FGB are a cause of congenital afibrinogenemia (CAFBN) [MIM:202400]. This rare autosomal recessive disorder is characterized by bleeding that varies from mild to severe and by complete absence or extremely low levels of plasma and platelet fibrinogen. Note=Patients with congenital fibrinogen abnormalities can manifest different clinical pictures. Some cases are clinically silent, some show a tendency toward bleeding and some show a predisposition for thrombosis with or without bleeding.

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.

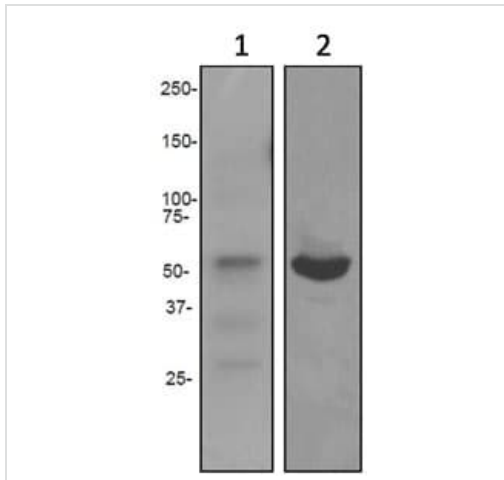
Post-translational modifications

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.

Cellular localization

Secreted.

Images



Western blot - Anti-Fibrinogen beta chain antibody [EPR3082] (ab92510)

All lanes : Anti-Fibrinogen beta chain antibody [EPR3082] (ab92510) at 1/5000 dilution

Lane 1 : Human prostate lysate

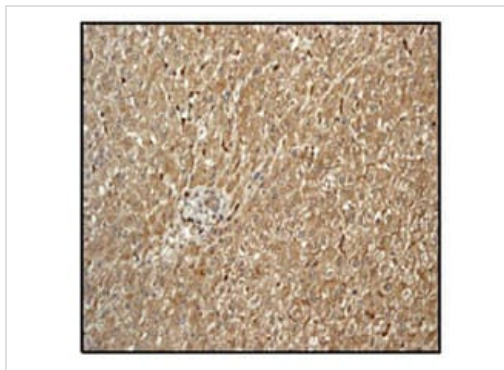
Lane 2 : Human plasma lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 56 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrinogen beta chain antibody [EPR3082] (ab92510)

ab92510, at a 1/50 dilution, staining Fibrinogen beta chain in formalin fixed, paraffin embedded Human liver tissue by Immunohistochemistry. Detection: by DAB staining

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

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 beta chain antibody [EPR3082]
(ab92510)

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

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