abcam

Product datasheet

Anti-Fibrinogen beta chain antibody [EPR3083] (HRP) ab212218

Recombinant RabMAb

1 Image

Overview

Product name	Anti-Fibrinogen beta chain antibody [EPR3083] (HRP)
Description	Rabbit monoclonal [EPR3083] to Fibrinogen beta chain (HRP)
Host species	Rabbit
Conjugation	HRP
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat
Immunogen	within Human Fibrinogen beta chain aa 400 to the C-terminus. The exact sequence is proprietary. Database link: P02675
Positive control	WB: Human Platelet, Mouse Platelet, Human Plasma and Mouse Plasma lysates.
General notes	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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.1% Proclin Constituents: 30% Glycerol, 1% BSA, PBS
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR3083
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab212218** in the following tested applications.

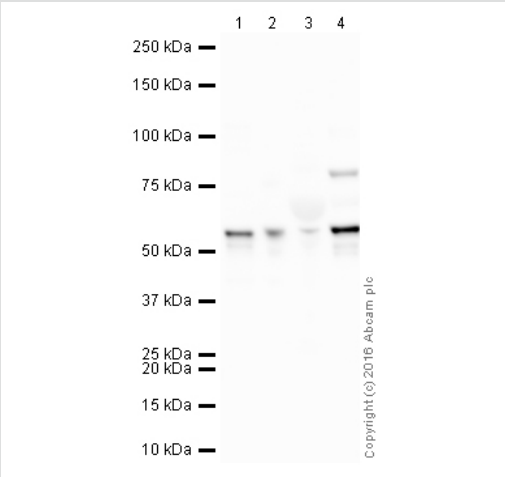
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).

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 [EPR3083] (HRP) (ab212218)

All lanes : Anti-Fibrinogen beta chain antibody [EPR3083] (HRP) (ab212218) at 1/5000 dilution

Lane 1 : Human Platelet lysate
Lane 2 : Mouse Platelet lysate
Lane 3 : Human Plasma lysate
Lane 4 : Mouse Plasma lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 56 kDa
Observed band size: 56 kDa

Exposure time: 3 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab212218 overnight at 4°C. Antibody binding was visualised using ECL development solution ab133406.

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors