abcam

Product datasheet

Anti-Fibrinogen beta chain antibody ab219355

1 References 3 Images

Overview

Product name	Anti-Fibrinogen beta chain antibody
Description	Goat polyclonal to Fibrinogen beta chain
Host species	Goat
Specificity	This antibody is expected to recognize both reported isoforms (NP_005132.2; NP_001171670.1).
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Sheep, Horse, Cow, Pig, Chimpanzee, Monkey, Gorilla
Immunogen	Synthetic peptide corresponding to Human Fibrinogen beta chain aa 150-250 (internal sequence) (Cysteine residue). (NP_005132.2; NP_001171670.1). Database link: **P02675** Run BLAST with Run BLAST with
Positive control	IHC-P; Human placenta and kidney tissue. WB; Human Liver lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab219355 in the following tested applications.

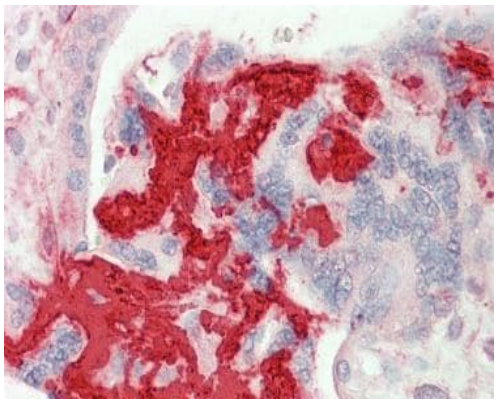
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.01 - 0.03 µg/ml. Predicted molecular weight: 56 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

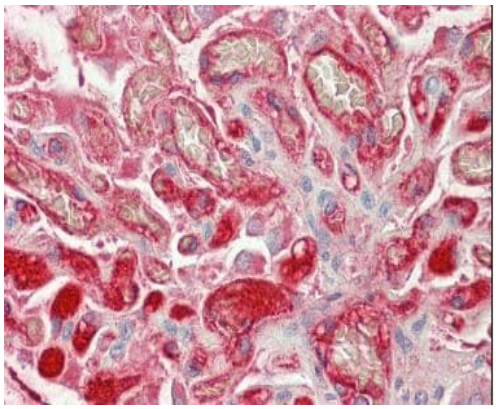
Function	Fibrinogen has a double function: yielding monomers that polymerize into fibrin and acting as a cofactor in platelet aggregation.
Involvement in disease	Defects in FGB are a cause of congenital afibrinogenemia (CAFBN) [MIM:202400]. This rare autosomal recessive disorder is characterized by bleeding 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



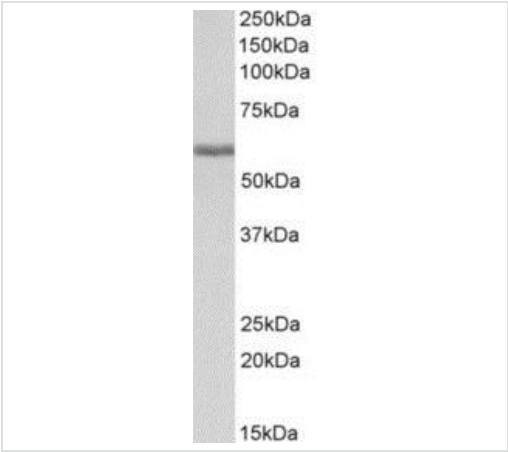
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrinogen beta chain antibody (ab219355)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human placenta tissue labeling Fibrinogen beta chain with ab219355 at 5 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrinogen beta chain antibody (ab219355)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human kidney tissue labeling Fibrinogen beta chain with ab219355 at 5 µg/ml.



Western blot - Anti-Fibrinogen beta chain antibody (ab219355)

Anti-Fibrinogen beta chain antibody (ab219355) at 0.01 µg/ml (Primary incubation was 1 hour) + Human Liver lysate (in RIPA buffer) at 35 µg

Developed using the ECL technique.

Predicted band size: 56 kDa
Observed band size: 60 kDa

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- 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