

# Anti-Factor XIIIa antibody [AC-1A1] ab1834

**14 References**   [画像数 5](#)

### 製品の概要

製品名	Anti-Factor XIIIa antibody [AC-1A1]
製品の詳細	Mouse monoclonal [AC-1A1] to Factor XIIIa
由来種	Mouse
アプリケーション	<b>適用あり:</b> ELISA, ICC/IF, IHC-Fr, IHC-P, WB, Flow Cyt
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Recombinant fragment corresponding to Human Factor XIIIa. BALB/C mice were injected with recombinant human protein corresponding to A-subunit of coagulation Factor XIII.
ポジティブ・コントロール	Placenta
特記事項	This antibody recognizes both the dimer and monomer forms.
	<p>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.</p> <p>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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.3 Preservative: 0.05% Sodium azide Constituent: 1% BSA
精製度	IgG fraction
ポリ/モノ	モノクローナル
クローン名	AC-1A1
アイソタイプ	IgG1

## アプリケーション

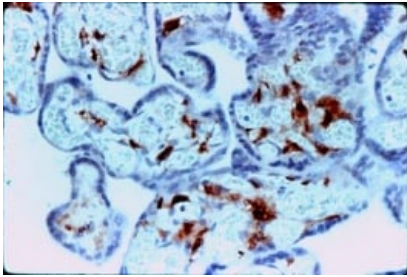
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab1834の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration. This antibody may be diluted to a titer of 1/25 - 1/50 in an ABC method.
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 83 kDa (predicted molecular weight: 83 kDa).
Flow Cyt		Use 1µg for 10 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## ターゲット情報

機能	Factor XIII is activated by thrombin and calcium ion to a transglutaminase that catalyzes the formation of gamma-glutamyl-epsilon-lysine cross-links between fibrin chains, thus stabilizing the fibrin clot. Also cross-link alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin.
関連疾患	Defects in F13A1 are the cause of factor XIII subunit A deficiency (FA13AD) [MIM:613225]. FA13AD is an autosomal recessive disorder characterized by a life-long bleeding tendency, impaired wound healing and spontaneous abortion in affected women.
配列類似性	Belongs to the transglutaminase superfamily. Transglutaminase family.
翻訳後修飾	The activation peptide is released by thrombin.
細胞内局在	Cytoplasm. Secreted. Secreted into the blood plasma. Cytoplasmic in most tissues, but also secreted in the blood plasma.

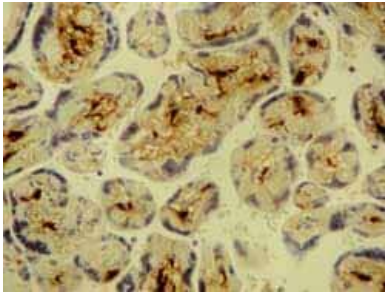
## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor XIIIa antibody [AC-1A1] (ab1834)

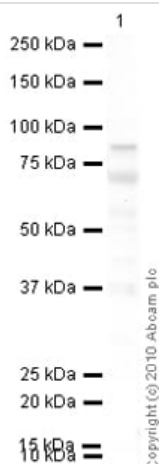
ab1834 - immunohistochemistry

Formalin fixed paraffin embedded human placenta stained with Factor XIIIa, using ABC and AEC chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor XIIIa antibody [AC-1A1] (ab1834)

ab1834 staining human placenta by IHC-P.



Western blot - Anti-Factor XIIIa antibody [AC-1A1] (ab1834)

Anti-Factor XIIIa antibody [AC-1A1] (ab1834) at 1/250 dilution + Human placenta tissue lysate - total protein at 10 µg

### Secondary

Goat Anti-Mouse IgG H&L (HRP) preadsorbed ([ab97040](#)) at 1/5000 dilution

Developed using the ECL technique.

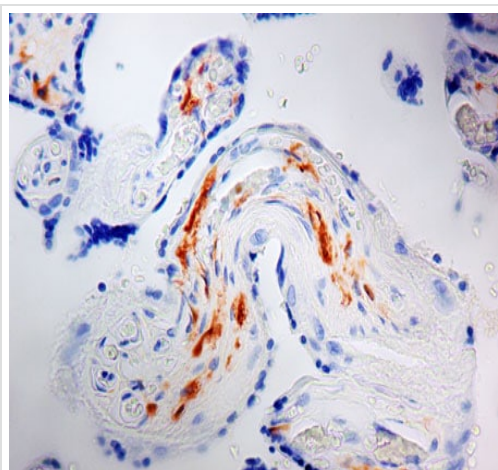
Performed under reducing conditions.

**Predicted band size:** 83 kDa

**Observed band size:** 83 kDa

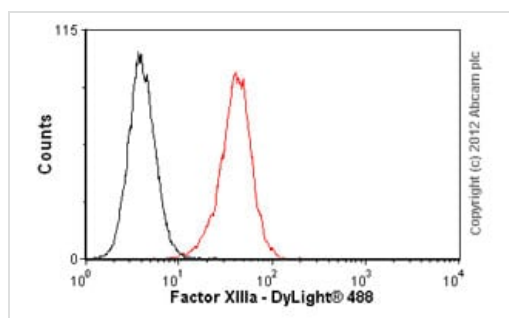
**Additional bands at:** 37 kDa, 74 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 2 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor XIIIa antibody [AC-1A1] (ab1834)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human placenta tissue, staining Factor XIIIa with ab1834.



Flow Cytometry - Anti-Factor XIIIa antibody [AC-1A1] (ab1834)

Overlay histogram showing A549 cells stained with **ab16956** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (**ab16956**, 1µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [CIGG1] (**ab91353**, 2µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

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