

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

14 References **5 图像**

概述

产品名称	Anti-Factor XIIIa抗体[AC-1A1]
描述	小鼠单克隆抗体[AC-1A1] to Factor XIIIa
宿主	Mouse
经测试应用	适用于: ELISA, ICC/IF, IHC-Fr, IHC-P, WB, Flow Cyt
种属反应性	与反应: 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.
阳性对照	Placenta
常规说明	This antibody recognizes both the dimer and monomer forms.

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

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.3 Preservative: 0.05% Sodium azide Constituent: 1% BSA
纯度	IgG fraction
克隆	单克隆
克隆编号	AC-1A1
同种型	IgG1

轻链类型

kappa

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab1834于以下的经测试应用

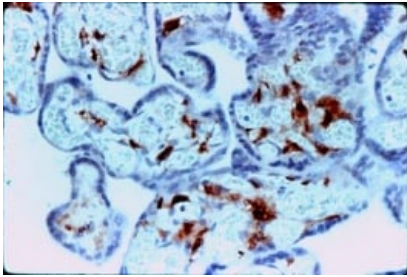
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	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.
疾病相关	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.
序列相似性	Belongs to the transglutaminase superfamily. Transglutaminase family.
翻译后修饰	The activation peptide is released by thrombin.
细胞定位	Cytoplasm. Secreted. Secreted into the blood plasma. Cytoplasmic in most tissues, but also secreted in the blood plasma.

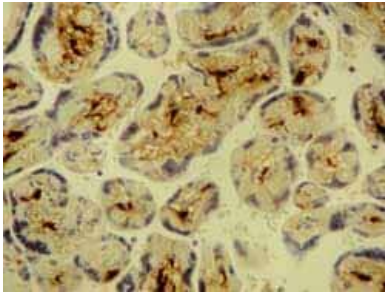
图片



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.

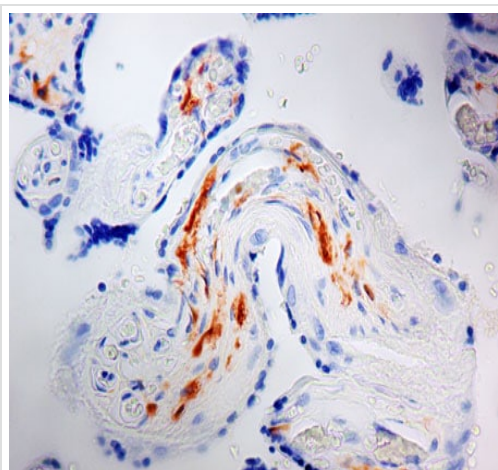
Performed under reducing conditions.

Predicted band size: 83 kDa

Observed band size: 83 kDa

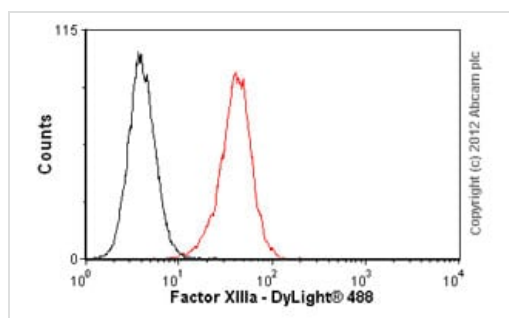
Additional bands at: 37 kDa, 74 kDa. We are unsure as to the identity of these extra bands.

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/1x10⁶ 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 [ICIGG1] (**ab91353**, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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