

Anti-Factor VIII antibody [GMA-012] ab78852

4 References 画像数 2

製品の概要

製品名	Anti-Factor VIII antibody [GMA-012]
製品の詳細	Mouse monoclonal [GMA-012] to Factor VIII
由来種	Mouse
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human
免疫原	Purified human Factor VIII
ポジティブ・コントロール	Human Factor VIII. This antibody gave a positive result in IHC in the following FFPE tissue: Human normal liver.
特記事項	<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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.40 Constituents: 1% Mannitol, 0.87% Sodium chloride, 0.164% Sodium phosphate
精製度	DEAE-Chromatography
ポリ/モノ	モノクローナル
クローン名	GMA-012
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ab78852の使用に適用されます

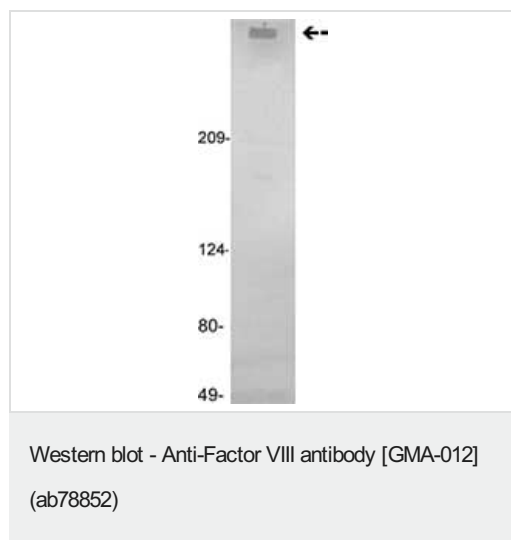
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 280 kDa (predicted molecular weight: 267 kDa).
IHC-P		Use a concentration of 5 µg/ml.

## ターゲット情報

機能	Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa.
関連疾患	Defects in F8 are the cause of hemophilia A (HEMA) [MIM:306700]. A disorder of blood coagulation characterized by a permanent tendency to hemorrhage. About 50% of patients have severe hemophilia resulting in frequent spontaneous bleeding into joints, muscles and internal organs. Less severe forms are characterized by bleeding after trauma or surgery. Note=Of particular interest for the understanding of the function of F8 is the category of CRM (cross-reacting material) positive patients (approximately 5%) that have considerable amount of F8 in their plasma (at least 30% of normal), but the protein is non-functional; i.e., the F8 activity is much less than the plasma protein level. CRM-reduced is another category of patients in which the F8C antigen and activity are reduced to approximately the same level. Most mutations are CRM negative, and probably affect the folding and stability of the protein.
配列類似性	Belongs to the multicopper oxidase family. Contains 3 F5/8 type A domains. Contains 2 F5/8 type C domains. Contains 6 plastocyanin-like domains.
ドメイン	Domain F5/8 type C 2 is responsible for phospholipid-binding and essential for factor VIII activity.
翻訳後修飾	Sulfation on Tyr-1699 is essential for binding vWF.
細胞内局在	Secreted > extracellular space.

## 画像



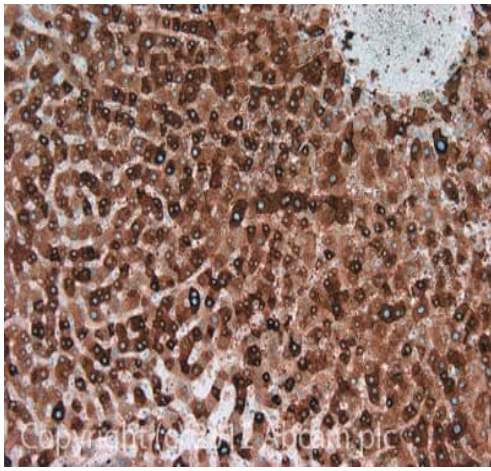
Anti-Factor VIII antibody [GMA-012] (ab78852) at 1 µg/ml + human Factor VIII at 2 µg

### Secondary

Goat anti-mouse HRP conjugated IgG

**Predicted band size:** 267 kDa

**Observed band size:** 280 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Factor VIII antibody [GMA-012] (ab78852)

IHC image of Factor VIII staining in Human normal liver formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab78852, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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