

Product datasheet

HsFactor VIII ChIP probe ab83596

概述

产品名称	HsFactor VIII ChIP探针
常规说明	Accession number: M14113. The HsF8 primers and probe can be used to quantify a control locus in chromatin immunoprecipitation (ChIP) assays with chromatin prepared from human cells. F8 (Coagulation factor VIII) is expressed in liver but silenced in most other cell types. The primers and probe are located in exon 1. In most cell types F8 is enriched with histone modifications associated with silencing (e.g. Histone H3 K27 di methylation, see image with ab24684). Whereas it shows low levels of histone modifications and factors associated with active gene transcription (e.g. RNA polymerase II CTD repeat, see image with ab26721).
经测试应用	适用于: Real Time PCR

性能

形式	Liquid
存放说明	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Store in the dark. Avoid repeated freeze / thaw cycles.
存储溶液	Constituent: ddH2O
功能	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.
疾病相关	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.
序列相似性	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.
结构域	Domain F5/8 type C 2 is responsible for phospholipid-binding and essential for factor VIII activity.
翻译后修饰	Sulfation on Tyr-1699 is essential for binding vWF.

应用

Our [Abpromise guarantee](#) covers the use of **ab83596** in the following tested applications.

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

应用	Ab 评论	说明
Real Time PCR		Use at an assay dependent concentration. Suitable for the analysis of chromatin immunoprecipitated DNA using Taqman [®] real time PCR. The probe is labelled with FAM/TAMRA. Quantity provided for 200 reactions. Please see the protocol page for the instructions for this product.

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