

Product datasheet

Anti-MMP1 antibody [SB12e] ab25483

★★★★☆ 1 Abreviews 4 References 1 图像

概述

产品名称	Anti-MMP1抗体[SB12e]
描述	小鼠单克隆抗体[SB12e] to MMP1
宿主	Mouse
特异性	ab25483 recognises MMP1. It does not react with MMP2, MMP3 or MMP9.
经测试应用	适用于: WB, ELISA, IHC-Fr, Sandwich ELISA
种属反应性	与反应: Human
免疫原	Recombinant full length protein (Human): MMP1

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 8.20 Constituent: 100% Borate buffered saline
克隆	单克隆
克隆编号	SB12e
同种型	IgG2b

应用

Our [Abpromise guarantee](#) covers the use of **ab25483** 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
WB	★★★★☆	Use at an assay dependent concentration. Predicted molecular weight: 54 kDa.
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

应用	Ab评论	说明
Sandwich ELISA		Use a concentration of 5 µg/ml. For sandwich ELISA, use this antibody as Capture at 5µg/ml with ab38924 as Detection.

靶标

功能 Cleaves collagens of types I, II, and III at one site in the helical domain. Also cleaves collagens of types VII and X. In case of HIV infection, interacts and cleaves the secreted viral Tat protein, leading to a decrease in neuronal Tat's mediated neurotoxicity.

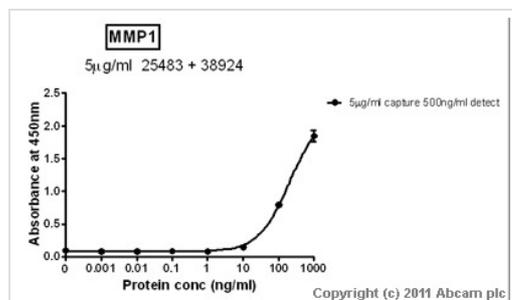
序列相似性 Belongs to the peptidase M10A family.
Contains 4 hemopexin-like domains.

结构域 There are two distinct domains in this protein; the catalytic N-terminal, and the C-terminal which is involved in substrate specificity and in binding TIMP (tissue inhibitor of metalloproteinases). The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.

翻译后修饰 Undergoes autolytic cleavage to two major forms (22 kDa and 27 kDa). A minor form (25 kDa) is the glycosylated form of the 22 kDa form. The 27 kDa form has no activity while the 22/25 kDa form can act as activator for collagenase.

细胞定位 Secreted > extracellular space > extracellular matrix.

图片



Standard curve for MMP1 (Analyte: [ab39297](#)); dilution range 1pg/ml to 1µg/ml using Capture Antibody [Mouse monoclonal \[SB12e\] to MMP1 - BSA and Azide free \(ab25483\)](#) at 5µg/ml and Detector Antibody [Rabbit polyclonal to MMP1 - Propeptide domain \(ab38924\)](#) at 0.5µg/ml.

Sandwich ELISA - Anti-MMP1 antibody [SB12e] (ab25483)

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