

Product datasheet

Anti-MMP13 antibody ab75606

★ ★ ★ ☆ ☆ 2 Abreviews 22 References 画像数 2

製品の概要

製品名	Anti-MMP13 antibody
製品の詳細	Rabbit polyclonal to MMP13
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Human recombinant MMP13 protein.
ポジティブ・コントロール	Conditioned, serum-free medium from (TPA-treated) rat CCL-4 cells. Placenta tissue.

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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.09% Sodium Azide Constituents: 0.2% BSA, 10mM PBS, pH 7.4
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab75606** in the following tested applications.

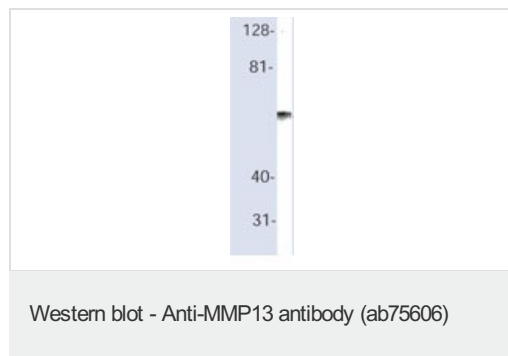
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB	★ ☆ ☆ ☆ ☆	Use a concentration of 2.5 - 5 µg/ml. Predicted molecular weight: 54 kDa.
IHC-P	★ ★ ★ ★ ★	Use a concentration of 10 - 20 µg/ml.

ターゲット情報

機能	Degrades collagen type I. Does not act on gelatin or casein. Could have a role in tumoral process.
組織特異性	Seems to be specific to breast carcinomas.
関連疾患	Defects in MMP13 are the cause of spondyloepimetaphyseal dysplasia Missouri type (SEMD-MO) [MIM:602111]. A bone disease characterized by moderate to severe metaphyseal changes, mild epiphyseal involvement, rhizomelic shortening of the lower limbs with bowing of the femora and/or tibiae, coxa vara, genu varum and pear-shaped vertebrae in childhood. Epimetaphyseal changes improve with age. Defects in MMP13 are the cause of metaphyseal anadysplasia type 1 (MANDP1) [MIM:602111]. Metaphyseal anadysplasia consists of an abnormal bone development characterized by severe skeletal changes that, in contrast with the progressive course of most other skeletal dysplasias, resolve spontaneously with age. Clinical characteristics are evident from the first months of life and include slight shortness of stature and a mild varus deformity of the legs. Patients attain a normal stature in adolescence and show improvement or complete resolution of varus deformity of the legs and rhizomelic micromelia.
配列類似性	Belongs to the peptidase M10A family. Contains 4 hemopexin-like domains.
ドメイン	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.
細胞内局在	Secreted > extracellular space > extracellular matrix.

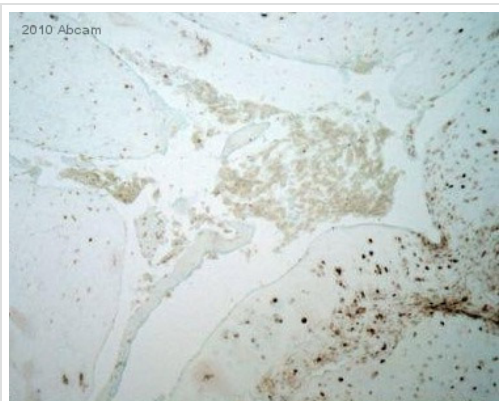
画像



Anti-MMP13 antibody (ab75606) at 5 µg/ml +
Conditioned, serum-free medium from (TPA-
treated) rat CCL-4 cells

Predicted band size: 54 kDa

Observed band size: 54 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MMP13 antibody (ab75606)

This image is courtesy of an anonymous Abreview

ab75606 staining MMP13 in Rat shoulder tissue sections by Immunohistochemistry (IHC- P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with a vector kit for 30 minutes at 25°C. Samples were incubated with primary antibody (1/100 in antibody diluent) for 16 hours at 4°C. A undiluted Biotin-conjugated polyclonal was used as the secondary antibody.

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