


Product datasheet

Anti-MSX1 antibody ab93287

画像数 1

製品の概要

製品名	Anti-MSX1 antibody
製品の詳細	Goat polyclonal to MSX1
アプリケーション	適用あり: IHC-P, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Cow, Chimpanzee, Rhesus monkey 
免疫原	Synthetic peptide: TSLPLGVKVEDS-C , corresponding to N terminal amino acids 2-13 of Human MSX1. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
ポジティブ・コントロール	Human prostate tissue.

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	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
精製度	Immunogen affinity 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 **ab93287** 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
IHC-P		
ELISA		

## 追加情報

ELISA: 1/16000.

IHC-P: Use at a concentration of 2.5 µg/ml.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

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### 機能

Acts as a transcriptional repressor. May play a role in limb-pattern formation. Acts in cranofacial development and specifically in odontogenesis. Expression in the developing nail bed mesenchyme is important for nail plate thickness and integrity.

### 組織特異性

Expressed in the developing nail bed mesenchyme.

### 関連疾患

Defects in MSX1 are the cause of tooth agenesis selective type 1 (STHAG1) [MIM:106600]. A form of selective tooth agenesis, a common anomaly characterized by the congenital absence of one or more teeth. Selective tooth agenesis without associated systemic disorders has sometimes been divided into 2 types: oligodontia, defined as agenesis of 6 or more permanent teeth, and hypodontia, defined as agenesis of less than 6 teeth. The number in both cases does not include absence of third molars (wisdom teeth). Tooth agenesis selective type 1 can be associated with orofacial cleft in some patients.

Note=MSX1 is deleted in some patients with Wolf-Hirschhorn syndrome (WHS). WHS results from sub-telomeric deletions in the short arm of chromosome 4.

Defects in MSX1 are the cause of Witkop syndrome (WITS) [MIM:189500]. WITS is a form of ectodermal dysplasia also called tooth-and-nail syndrome or dysplasia of nails with hypodontia. Ectodermal dysplasias (EDs) constitute a heterogeneous group of developmental disorders affecting tissues of ectodermal origin. EDs are characterized by abnormal development of two or more ectodermal structures such as hair, teeth, nails and sweat glands, with or without any additional clinical sign. Each combination of clinical features represents a different type of ectodermal dysplasia. Witkop syndrome is characterized by abnormalities largely limited largely to teeth (some of which are missing) and nails (which are poorly formed early in life, especially toenails). This condition is distinguished from anhidrotic ectodermal dysplasia by autosomal dominant inheritance and little involvement of hair and sweat glands. The teeth are not as severely affected.

Defects in MSX1 are the cause of non-syndromic orofacial cleft type 5 (OFC5) [MIM:608874]; also called non-syndromic cleft lip with or without cleft palate 5. Non-syndromic orofacial cleft is a common birth defect consisting of cleft lips with or without cleft palate. Cleft lips are associated with cleft palate in two-third of cases. A cleft lip can occur on one or both sides and range in severity from a simple notch in the upper lip to a complete opening in the lip extending into the floor of the nostril and involving the upper gum.

### 配列類似性

Belongs to the Msh homeobox family.

Contains 1 homeobox DNA-binding domain.

### 翻訳後修飾

Sumoylated by PIAS1, desumoylated by SENP1.

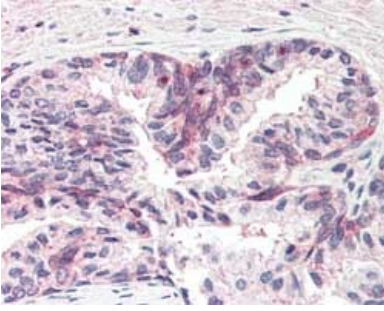
### 細胞内局在

Nucleus.

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## Anti-MSX1 antibody 画像

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ab93287, at 2.5µg/ml, staining MSX1 in formalin-fixed, paraffin-embedded Human Prostate tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - MSX1 antibody (ab93287)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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