abcam

Product datasheet

Anti-SOX9 (phospho S181) antibody ab59252

★★★★★ 3 Abreviews 11 References 画像数 2

製品の概要

製品名	Anti-SOX9 (phospho S181) antibody
製品の詳細	Rabbit polyclonal to SOX9 (phospho S181)
特異性	Detects endogenous levels of SOX9 only when phosphorylated at serine 181.
アプリケーション	**適用あり:** ELISA, IHC-P, WB, IHC-Fr, ICC/IF
種交差性	**交差種:** Mouse, Chicken, Human
免疫原	Synthetic phosphopeptide derived from human SOX9 around the phosphorylation site of serine 181 (R-K-S^{P}-V-K).
ポジティブ・コントロール	Human brain.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg^{2+} and Ca^{2+}), 150mM Sodium chloride, pH 7.4
精製度	Immunogen affinity purified
特記事項（精製）	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against the non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
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 **ab59252** 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
ELISA		1/5000.

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration.
WB	★★★★★	1/500 - 1/1000. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).
IHC-Fr		Use at an assay dependent concentration. PubMed: 23382206
ICC/IF	★★★★★	Use at an assay dependent concentration.

ターゲット情報

機能

Plays an important role in the normal skeletal development. May regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes.

関連疾患

Defects in SOX9 are the cause of campomelic dysplasia (CMD1) [MIM:114290]. CMD1 is a rare, often lethal, dominantly inherited, congenital osteochondrodysplasia, associated with male-to-female autosomal sex reversal in two-thirds of the affected karyotypic males. A disease of the newborn characterized by congenital bowing and angulation of long bones, unusually small scapulae, deformed pelvis and spine and a missing pair of ribs. Craniofacial defects such as cleft palate, micrognatia, flat face and hypertelorism are common. Various defects of the ear are often evident, affecting the cochlea, malleus incus, stapes and tympanum. Most patients die soon after birth due to respiratory distress which has been attributed to hypoplasia of the tracheobronchial cartilage and small thoracic cage.

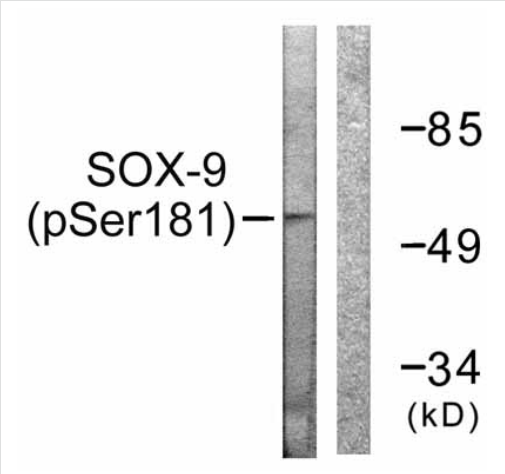
配列類似性

Contains 1 HMG box DNA-binding domain.

細胞内局在

Nucleus.

画像

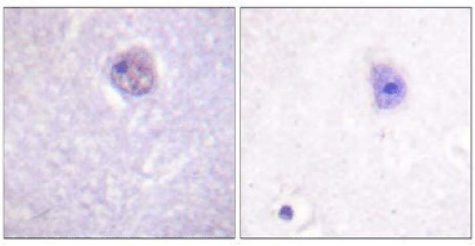


Western blot - SOX9 (phospho S181) antibody (ab59252)

All lanes : Anti-SOX9 (phospho S181) antibody (ab59252) at 1/500 dilution

Lane 1 : 293 cell extracts treated with PBS (60mins)
Lane 2 : 293 cell extracts treated with PBS (60mins) with immunizing phospho-peptide

Predicted band size : 56 kDa
Observed band size : 56 kDa



Immunohistochemistry (Paraffin-embedded sections) - SOX9 (phospho S181) antibody (ab59252)

ab59252 at 1/50 dilution staining SOX9 in human brain by Immunohistochemistry, Paraffin embedded tissue, in the absence or presence of the immunising peptide.

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