

Anti-SOX9 antibody ab58191

[1 References](#) [3 图像](#)

概述

产品名称	Anti-SOX9抗体
描述	小鼠单克隆抗体to SOX9
宿主	Mouse
经测试应用	适用于: WB, Sandwich ELISA, Flow Cyt
种属反应性	与反应: Human
免疫原	Recombinant fragment, corresponding to amino acids 400-510 of Human SOX9

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	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab58191于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 - 5 µg/ml. This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

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 5 µg/ml with Rabbit polyclonal to SOX9 (ab26414) as Detection.
Flow Cyt		Use 0.1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能

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.

疾病相关

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, micrognathia, 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.

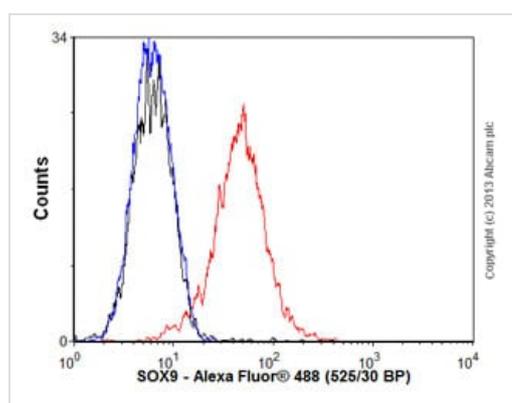
序列相似性

Contains 1 HMG box DNA-binding domain.

细胞定位

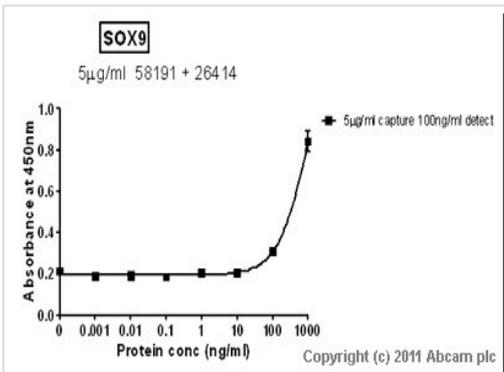
Nucleus.

图片



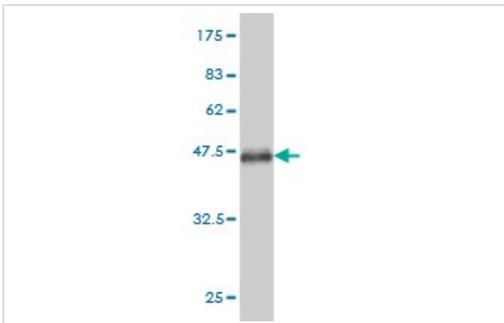
Flow Cytometry - Anti-SOX9 antibody (ab58191)

Overlay histogram showing HepG2 cells stained with ab58191 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab58191, 0.1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H+L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Sandwich ELISA - Anti-SOX9 antibody (ab58191)

Standard Curve for SOX9 ; dilution range 1pg/ml to 1µg/ml using Capture Antibody **Mouse monoclonal to SOX9 (ab58191)** at 5µg/ml and Detector Antibody **Rabbit polyclonal to SOX9 (ab26414)** at 0.1µg/ml.



Western blot - Anti-SOX9 antibody (ab58191)

Western blot against tagged recombinant protein immunogen using ab58191 SOX9 antibody at 1ug/ml. Predicted band size of immunogen is 38 kDa

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