

Anti-SOX9 antibody [EPR12755] ab182579

リコンビナント **RabMAb**

3 References [画像数 7](#)

製品の概要

製品名	Anti-SOX9 antibody [EPR12755]
製品の詳細	Rabbit monoclonal [EPR12755] to SOX9
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, ICC/IF, IP
種交差性	交差種: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	SW480 and Caco 2 cell lysates; SW480 and Caco 2 cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR12755
アイソタイプ	IgG

アプリケーション

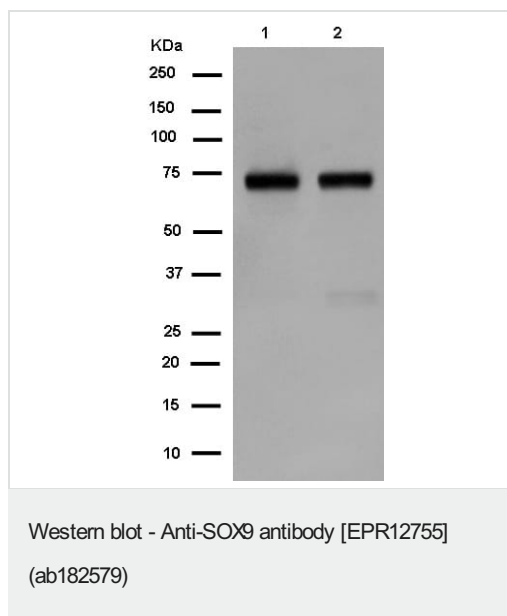
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab182579の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		1/10000 - 1/50000. Detects a band of approximately 70 kDa (predicted molecular weight: 56 kDa).
ICC/IF		1/250.
IP		1/20 - 1/80.

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, 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.
配列類似性	Contains 1 HMG box DNA-binding domain.
細胞内局在	Nucleus.

画像



All lanes : Anti-SOX9 antibody [EPR12755] (ab182579) at 1/10000 dilution

Lane 1 : SW480 cell lysate

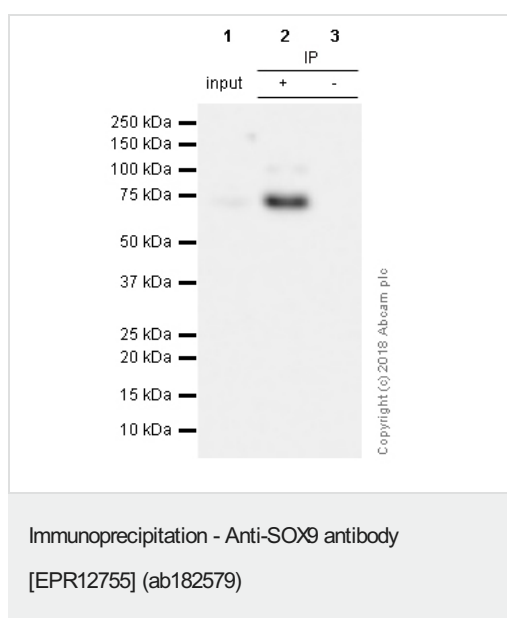
Lane 2 : Caco 2 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 56 kDa



All lanes : Anti-SOX9 antibody [EPR12755] (ab182579) at 1/80 dilution

Lane 1 : SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate, 10ug

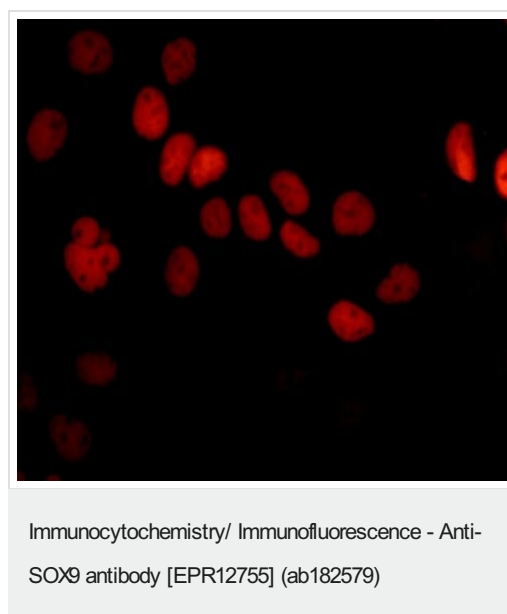
Lane 2 : SW480, 350ug, +, ab182579 2ug

Lane 3 : SW480 cell lysate, 350ug + rabbit IgG ([ab172730](#)) , 2ug

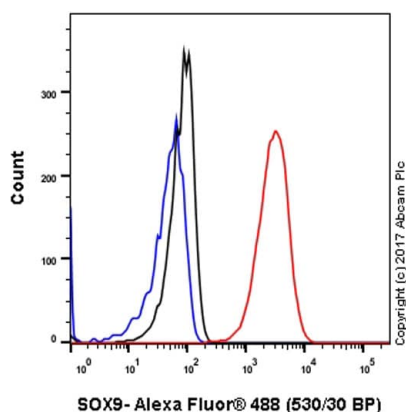
Secondary

All lanes : VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/1000 dilution

Observed band size: 75 kDa



Immunofluorescent analysis of Caco 2 cells labeling SOX9 using ab182579 at 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor555) at 1/200 dilution was used as secondary antibody. Cells were fixed with 4% paraformaldehyde.



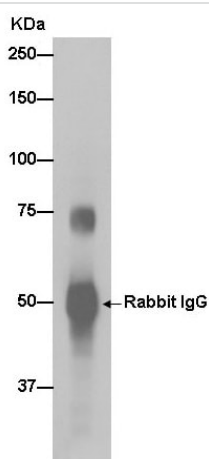
Flow Cytometry (Intracellular) - Anti-SOX9 antibody
[EPR12755] (ab182579)

Intracellular Flow Cytometry analysis of SW480 (human colorectal adenocarcinoma) cells labeling SOX9 with purified ab182579 at 1/500 dilution (1 ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) ([ab172730](#)) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Immunocytochemistry/ Immunofluorescence - Anti-SOX9 antibody [EPR12755] (ab182579)

Immunofluorescence analysis of SW480 cells labeling SOX9 using ab182579 at 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor555) at 1/200 dilution was used as secondary antibody. Cells were fixed with 4% paraformaldehyde.



Immunoprecipitation - Anti-SOX9 antibody
[EPR12755] (ab182579)

Detection of SOX9 by Western Blot of Immunoprecipitate. Caco 2 cell lysate immunoprecipitated using ab182579 at 1/50 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 was used as secondary antibody.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-SOX9 antibody [EPR12755] (ab182579)

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