


Anti-SOX2 antibody ab137385

★★★★★ **2 Abreviews** **25 References** 画像数 8

製品の概要

製品名	Anti-SOX2 antibody
製品の詳細	Rabbit polyclonal to SOX2
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt, WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat, Cow, Cat, Monkey 
免疫原	Recombinant fragment within Human SOX2 (internal sequence). The exact sequence is proprietary. Database link: <u>P48431</u>
ポジティブ・コントロール	WB: Recombinant Human SOX2 protein (<u>ab79950</u>), NT2D1 whole cell lysate. Human and mouse embryonic stem cell lysate. ICC/IF: Human and mouse embryonic stem cells. A549 cells. IHC-P: Human Cal27 xenograft tissue. Flow Cytometry: Human embryonic stem cells.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
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

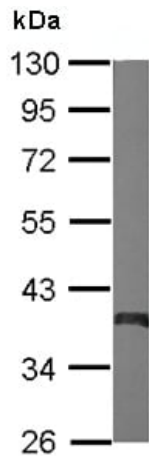
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab137385の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		1/50 - 1/200. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★☆ (1)	1/500 - 1/3000. Predicted molecular weight: 34 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. or Tris-EDTA buffer (pH8.0)
ICC/IF	★★★★★ (1)	1/50 - 1/500.

ターゲット情報

機能	Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 (By similarity). Critical for early embryogenesis and for embryonic stem cell pluripotency.
関連疾患	Defects in SOX2 are the cause of microphthalmia syndromic type 3 (MCOPS3) [MIM:206900]. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS3 is characterized by the rare association of malformations including uni- or bilateral anophthalmia or microphthalmia, and esophageal atresia with trachoesophageal fistula.
配列類似性	Contains 1 HMG box DNA-binding domain.
翻訳後修飾	Sumoylation inhibits binding on DNA and negatively regulates the FGF4 transactivation.
細胞内局在	Nucleus.

画像

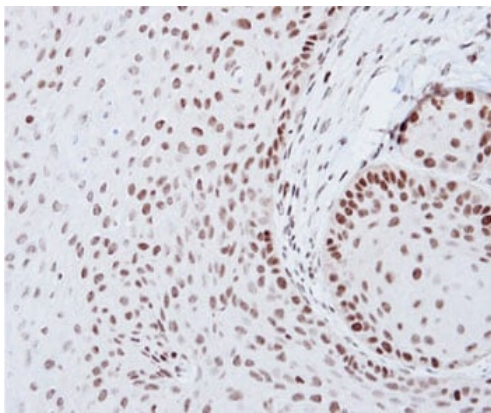


Western blot - Anti-SOX2 antibody (ab137385)

Anti-SOX2 antibody (ab137385) at 1/1000 dilution + Human ESC
whole cell lysate
at 20 μ g

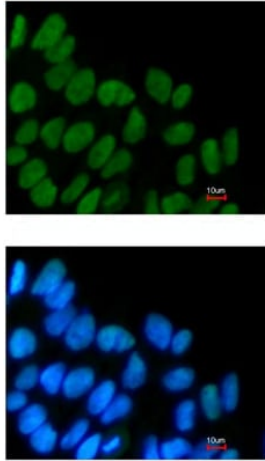
Predicted band size: 34 kDa

10% SDS-PAGE gel



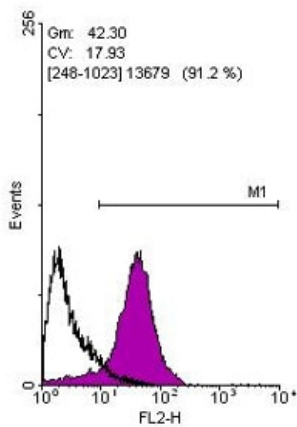
Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-SOX2 antibody
(ab137385)

Formalin-fixed, paraffin-embedded Cal27 xenograft tissue stained
for SOX2 with ab137385 at a 1/100 dilution in
immunohistochemical analysis.



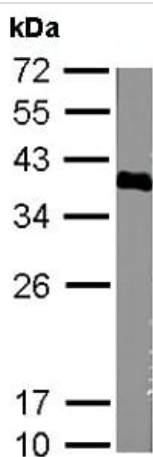
Immunocytochemistry/ Immunofluorescence - Anti-SOX2 antibody (ab137385)

Human embryonic stem cells stained for SOX2 (green) using ab137385 (1/160 dilution) in ICC/IF. Lower panel is costained with Hoechst 33342.



Flow Cytometry - Anti-SOX2 antibody (ab137385)

Flow cytometric analysis of human embryonic stem cells, labelling SOX2 with ab137385 at 1/100 dilution (purple) compared to a rabbit IgG control (black).

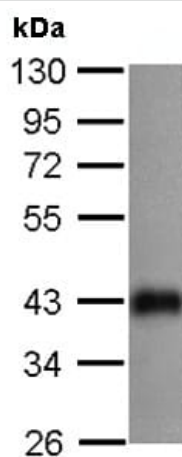


Western blot - Anti-SOX2 antibody (ab137385)

Anti-SOX2 antibody (ab137385) at 1/1000 dilution + Mouse ESC whole cell lysate at 20 µg

Predicted band size: 34 kDa

12% SDS-PAGE gel

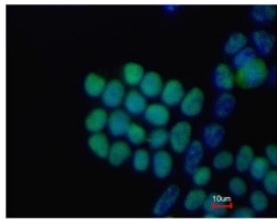
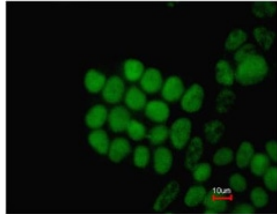


Western blot - Anti-SOX2 antibody (ab137385)

Anti-SOX2 antibody (ab137385) at 1/3000 dilution + NT2D1 whole cell lysate at 30 µg

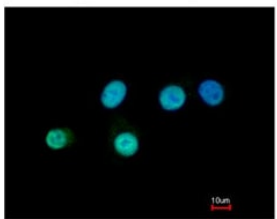
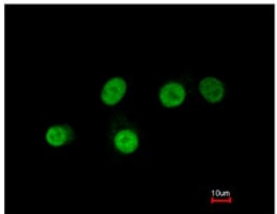
Predicted band size: 34 kDa

10% SDS-PAGE gel



Mouse embryonic stem cells stained for SOX2 (green) using ab137385 (1/160 dilution) in ICC/IF. Lower panel is costained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-SOX2 antibody (ab137385)



Paraformaldehyde-fixed A549 cells stained for SOX2 (green) using ab137385 (1/200 dilution) in ICC/IF. Lower panel is merged with a DNA probe.

Immunocytochemistry/ Immunofluorescence - Anti-SOX2 antibody (ab137385)

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