

Anti-FOXP1 antibody [JC12] ab32010

★★★★★ **5 Abreviews** **37 References** 画像数 4

製品の概要

製品名	Anti-FOXP1 antibody [JC12]
製品の詳細	Mouse monoclonal [JC12] to FOXP1
由来種	Mouse
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Zebra finch 
免疫原	Full length native protein (purified) corresponding to Mouse FOXP1.
ポジティブ・コントロール	WB: BCBL1 human cell line or Mutul human cell line. IHC-P: Human Hodgkin's lymphoma and human colon tissues.
特記事項	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 6.97% L-Arginine, PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	JC12

アプリケーション

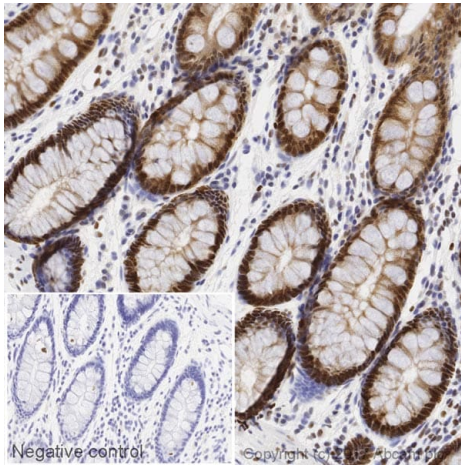
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab32010の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (1)	Use a concentration of 0.1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (3)	1/500. Predicted molecular weight: 75 kDa.

ターゲット情報

機能	Transcriptional repressor. It plays an important role in the specification and differentiation of lung epithelium. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Essential transcriptional regulator of B cell development.
関連疾患	Note=A chromosomal aberration involving FOXP1 is found in acute lymphoblastic leukemia. Translocation t(9;3)(p13;p14.1) with PAX5. Defects in FOXP1 are the cause of mental retardation with language impairment and autistic features (MRLIAF) [MIM:613670]. It is a developmental disorder characterized by mild to moderate mental retardation, language impairment, and autistic features. Patients show global delay, delayed walking, severely delayed speech development, and behavioral abnormalities, including irritability, hyperactivity, aggression, and stereotypical rigid behaviors.
配列類似性	Contains 1 C2H2-type zinc finger. Contains 1 fork-head DNA-binding domain.
ドメイン	The leucine-zipper is required for dimerization and transcriptional repression.
細胞内局在	Nucleus.

画像



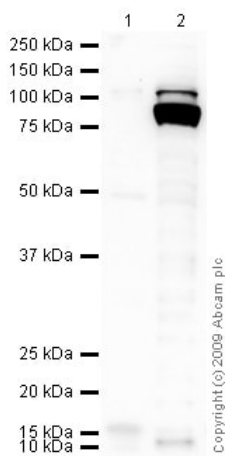
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP1 antibody [JC12] (ab32010)

IHC image of FOXP1 staining in a section of formalin-fixed paraffin-embedded normal human colon*. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab32010, 0.1ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Western blot - Anti-FOXP1 antibody [JC12] (ab32010)

All lanes : Anti-FOXP1 antibody [JC12] (ab32010) at 10 µg/ml

Lane 1 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 2 : HEK293 Whole Cell Lysate Overexpressing FOXP1

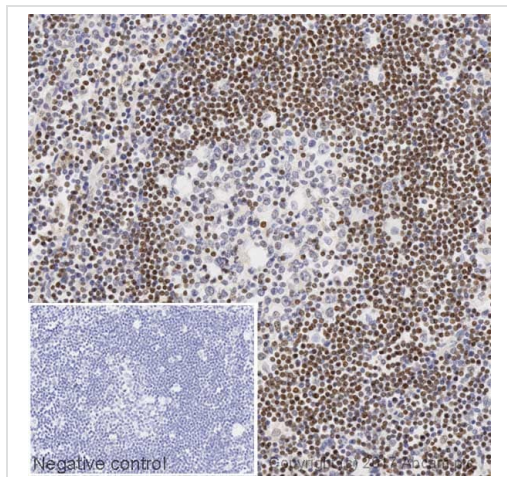
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) ([ab65485](#)) at 1/3000 dilution

Predicted band size: 75 kDa

Observed band size: 100,80 kDa



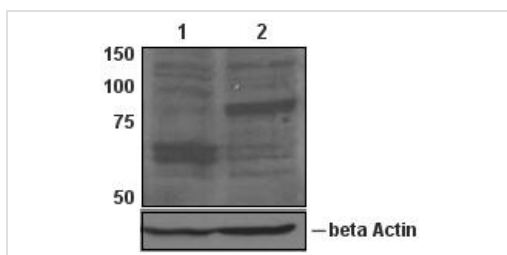
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP1 antibody [JC12] (ab32010)

IHC image of FOXP1 staining in a section of formalin-fixed paraffin-embedded normal human Hodgkin's lymphoma (CD30+)*, showing positive staining in the mantle zone and negative staining in the Hodgkin's cells and germinal centre. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab32010, 0.1ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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Western blot - Anti-FOXP1 antibody [JC12] (ab32010)

All lanes : Anti-FOXP1 antibody [JC12] (ab32010) at 1/500 dilution

Lane 1 : BCBL1 human cell line

Lane 2 : Mutul human cell line

Predicted band size: 75 kDa

Observed band size: 60,65,80 kDa

This antibody recognizes a long form and two short forms of human FOXP1 as described in Blood. 2008. Mar 1; 111(5): 2816-24.

Image kindly provided by H. Hu.

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