


Anti-FOXP1 antibody ab16645

★★★★★ **22 Abreviews** **97 References** **3 图像**

概述

产品名称	Anti-FOXP1抗体
描述	兔多克隆抗体to FOXP1
宿主	Rabbit
特异性	Replenishment batches of our polyclonal antibody, ab16645 are tested in IHC-P. Previous batches were additionally validated in IHC-FoFr and WB. These applications are still expected to work and are covered by our Abpromise guarantee. You may also be interested in our alternative recombinant antibody, ab134055 .
经测试应用	适用于: IHC-FoFr, IHC-P, WB
种属反应性	与反应: Mouse 预测可用于: Rat, Chicken, Dog, Human, Xenopus laevis 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-p: Mouse brain
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our

	scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab16645于以下的经测试应用

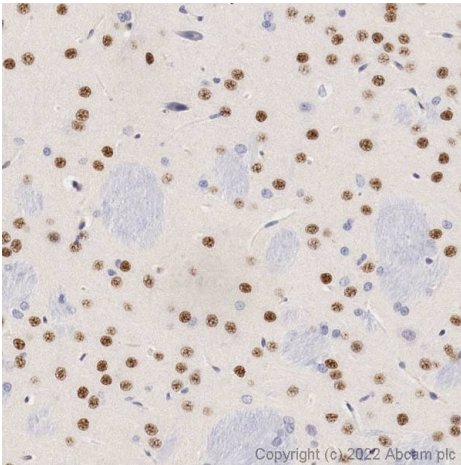
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-FoFr		Use at an assay dependent concentration.
IHC-P	★★★★★ (4)	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	★★★★★ (7)	1/5000. Detects a band of approximately 75 kDa (predicted molecular weight: 75 kDa). ab16645 recognises the different isoforms of FOXP1 in Jurkat cell lysate (see review for further details).

靶标

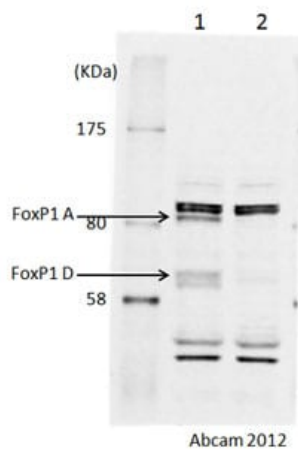
功能	Transcriptional repressor. It plays an important role in the specification and differentiation of lung epithelium. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Essential transcriptional regulator of B cell development.
疾病相关	Note=A chromosomal aberration 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.
序列相似性	Contains 1 C2H2-type zinc finger. Contains 1 fork-head DNA-binding domain.
结构域	The leucine-zipper is required for dimerization and transcriptional repression.
细胞定位	Nucleus.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP1 antibody (ab16645)

Paraffin-embedded mouse brain tissue stained for FOXP1 using ab16645 in immunohistochemical analysis.



Western blot - Anti-FOXP1 antibody (ab16645)

All lanes : Anti-FOXP1 antibody (ab16645) at 1/5000 dilution

Lane 1 : Lysate from e12.5 whole mouse embryo FoxP1 +/-

Lane 2 : Lysate from e12.5 whole mouse embryo FoxP1 -/-

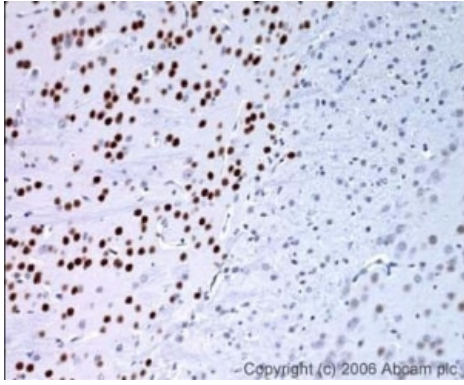
Lysates/proteins at 30 µg per lane.

Developed using the ECL technique.

Predicted band size: 75 kDa

Observed band size: 65,82 kDa

Additional bands at: 45 kDa (possible cross reactivity), 50 kDa (possible cross reactivity), 85 kDa (possible cross reactivity)



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-FXP1 antibody (ab16645)

This image is courtesy of Shunyou Wang, Ph.D.

ab16645 was tested in IHC of formalin fixed sections from mouse (over two weeks of age) brain. Antigen retrieval was in citrate buffer and blocking was in 1% BSA. The primary antibody was incubated at a dilution of 1/200 overnight at 4 degrees celsius. The secondary antibody was a biotin conjugated anti-rabbit IgG.

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