

Anti-FOXP3 antibody [EPR15038-69] ab191416

重组 RabMAb

4 References [7 图像](#)

概述

产品名称	Anti-FOXP3抗体[EPR15038-69]
描述	兔单克隆抗体[EPR15038-69] to FOXP3
宿主	Rabbit
经测试应用	适用于: IHC-Fr, IHC-P, WB
种属反应性	与反应: Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: FFPE Human normal tissue sections. Human Hodgkin lymphoma tissue. IHC-Fr: Human tonsil tissue sections.
常规说明	<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>

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 long term. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol, 59% PBS, 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR15038-69
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab191416于以下的经测试应用

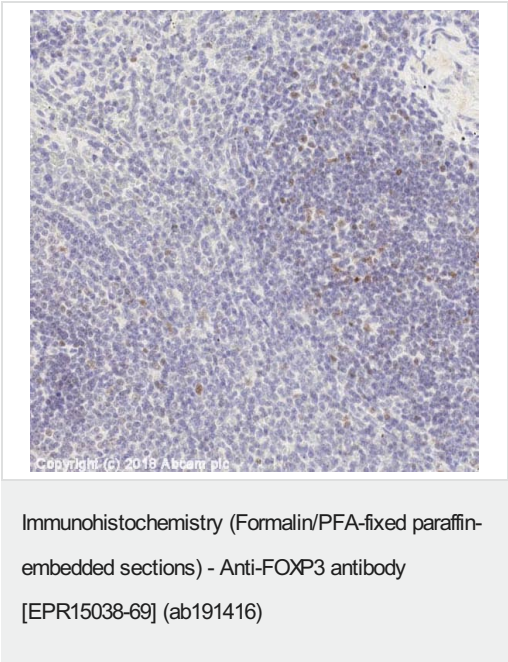
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		Use a concentration of 5 µg/ml.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use a concentration of 5 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).

靶标

功能	Probable transcription factor. Plays a critical role in the control of immune response.
疾病相关	Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, trombocytopenia, anemia and eczema. It is usually lethal in infancy.
序列相似性	Contains 1 C2H2-type zinc finger. Contains 1 fork-head DNA-binding domain.
细胞定位	Nucleus.

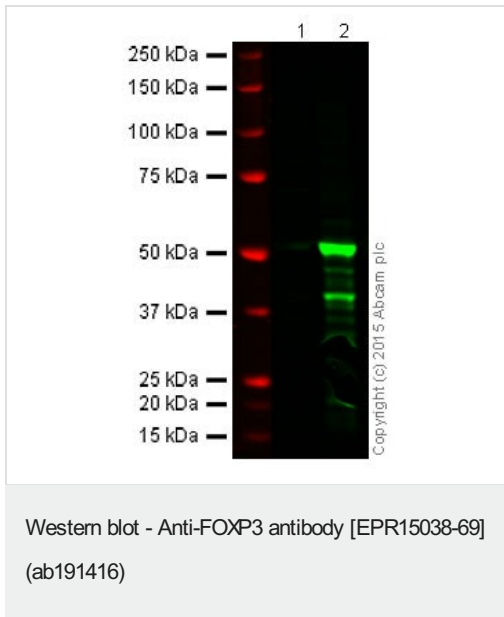
图片



IHC image of FOXP3 staining in a section of formalin-fixed paraffin-embedded normal human spleen* performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab191416, 5ug/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 secondary-only 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,*



All lanes : Anti-FOXP3 antibody [EPR15038-69] (ab191416) at 5 $\mu\text{g/ml}$

Lane 1 : HEK293T cell lysate

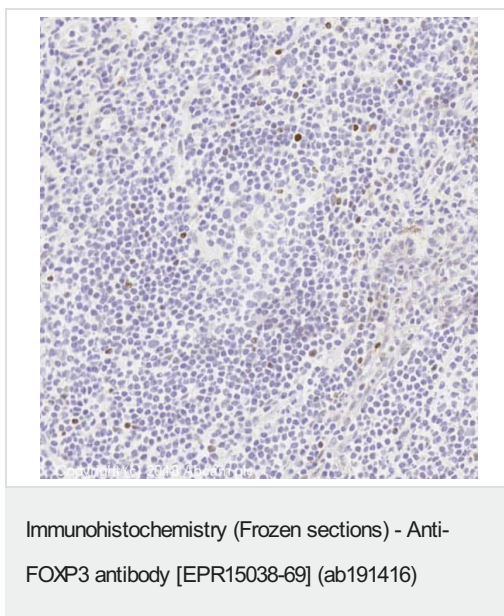
Lane 2 : HEK293T cell lysate overexpressing Human FOXP3

Lysates/proteins at 20 μg per lane.

Performed under reducing conditions.

Predicted band size: 47 kDa

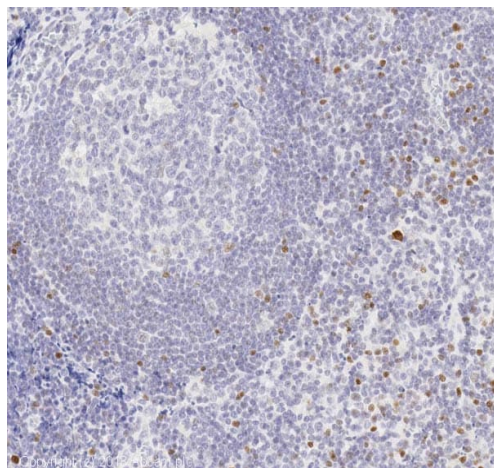
This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using Licor blocking buffer before being incubated with [ab10563](#). Antibody binding was detected using Goat anti Rabbit IR680 at a 1:10,000 dilution for 1hr at room temperature and then imaged using the Licor Odyssey CLx.



IHC image of FOXP3 staining in a section of formalin-fixed frozen normal human tonsil* performed on a Leica BOND™ system using the standard protocol F. The section was then incubated with ab191416, 5 $\mu\text{g/ml}$, 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 secondary-only 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

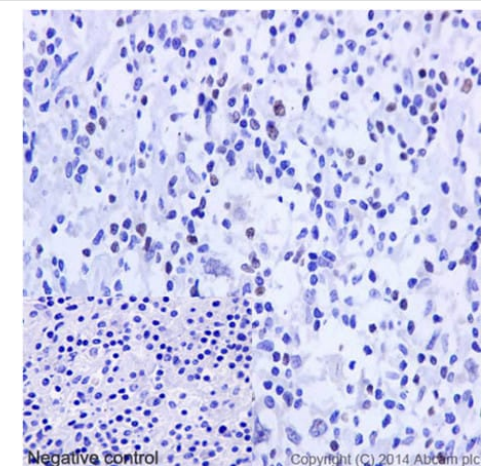


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP3 antibody [EPR15038-69] (ab191416)

IHC image of FOXP3 staining in a section of formalin-fixed paraffin-embedded normal human tonsil* performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab191416, 5ug/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 secondary-only 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*



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP3 antibody [EPR15038-69] (ab191416)

Immunohistochemical analysis of paraffin-embedded Human Hodgkin lymphoma tissue labeling FOXP3 with ab191416 at 1/250 dilution (0.9 µg/ml) followed by pre-diluted HRP Polymer for Rabbit IgG secondary antibody and counter-stained with Hematoxylin. Inset: Negative control: using PBS instead of primary antibody.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Normal tissue samples		Malignant tissue samples	
Human cardiac muscle	x	Human placenta	x
Human cerebrum	x	Human skeletal muscle	x
Human colon	x	Human skin	x
Human endometrium	x	Human spleen	✓
Human kidney	x	Human stomach	x
Human liver	x	Human testis	x
Human lung	x	Human thyroid	x
Human mammary gland	x	Human tonsil	✓
Human pancreas	x		
		Clear cell carcinoma of human kidney	x
		Human bladder cancer	x
		Human breast carcinoma	x (immune cells) ✓
		Human cervical carcinoma	x
		Human colon carcinoma	x
		Human endometrial carcinoma	x
		Human gastric adenocarcinoma	x
		Human glioma	x
		Human hepatocellular carcinoma	x (immune cells) ✓
		Human Hodgkin's lymphoma	✓
		Human lung carcinoma	x (immune cells) ✓
		Human ovarian carcinoma	x
		Human pancreatic carcinoma	x (immune cells) ✓
		Human prostatic hyperplasia	x
		Human thyroid carcinoma	x

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXP3 antibody [EPR15038-69] (ab191416)

Tissue Microarrays stained for "Anti-FOXP3 antibody [EPR15038-69]" using "ab191416" in immunohistochemical analysis. This table provides a detailed overview of positive (tick mark) and negative (cross mark) staining per sample type tested. The sections were pre-treated using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes. The sections were incubated with ab191416 for 30 mins at room temperature followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

Why choose a recombinant antibody?



Research with confidence
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Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-FOXP3 antibody [EPR15038-69] (ab191416)

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