

Product datasheet

Anti-FOXP3 antibody [2A11G9] ab36607

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概述

产品名称	Anti-FOXP3抗体[2A11G9]
描述	小鼠单克隆抗体[2A11G9] to FOXP3
宿主	Mouse
经测试应用	适用于: ICC/IF, WB, Flow Cyt, ELISA 不适用于: IHC-Fr or IHC-P
种属反应性	与反应: Mouse, Human
免疫原	Ni-NTA purified truncated recombinant Foxp3 expressed in E. Coli strain BL21 (DE3).
阳性对照	HEK293 cell extract.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	2A11G9
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab36607** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		1/200 - 1/1000.
WB		1/500 - 1/2000. Detects a band of approximately 50-53 kDa (predicted molecular weight: 47 kDa).
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ELISA		1/10000.

应用说明 Is unsuitable for IHC-Fr or IHC-P.

靶标

功能 Probable transcription factor. Plays a critical role in the control of immune response.

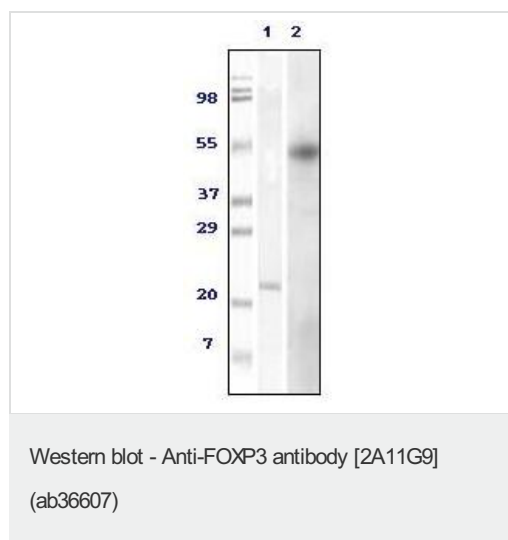
疾病相关 Defects in FOXP3 are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX) [MIM:304790]; also known as X-linked autoimmunity-immunodeficiency syndrome. IPEX is characterized by neonatal onset insulin-dependent diabetes mellitus, infections, secretory diarrhea, trombocytopenia, 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



All lanes : Anti-FOXP3 antibody [2A11G9] (ab36607) at 1/1000 dilution

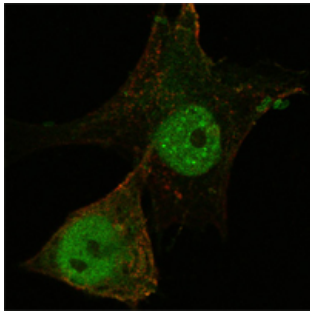
Lane 1 : Human truncated Foxp3 recombinant protein

Lane 2 : HEK293 cell extract

Lysates/proteins at 2 µg/ml per lane.

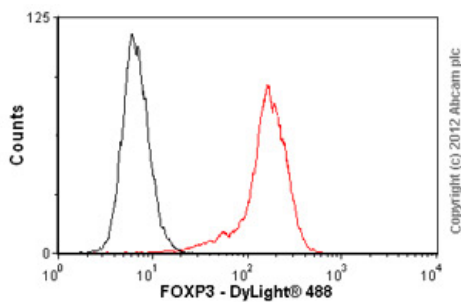
Predicted band size: 47 kDa

Observed band size: ~50-53 kDa



Immunocytochemistry/ Immunofluorescence - Anti-FOXP3 antibody [2A11G9] (ab36607)

ab36607 at 1/1000 dilution staining FXP3 in human PANC1 cells by Immunocytochemistry/ Immunofluorescence. An Alexa Fluor® 488 conjugated Goat polyclonal to mouse IgG was used as secondary antibody. The primary antibody show green staining in image whilst actin filaments were stained red with Alexa Fluor® 555 Phalloidin.



Flow Cytometry - Anti-FOXP3 antibody [2A11G9] (ab36607)

Overlay histogram showing Jurkat cells stained with ab36607 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab36607, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Jurkat cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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