

Anti-FOXO3A (phospho S253) antibody [EPR1951(2)] ab154786

重组 RabMAb

★★★★★ 2 Abreviews 40 References 5 图像

概述

产品名称	Anti-FOXO3A (phospho S253)抗体[EPR1951(2)]
描述	兔单克隆抗体[EPR1951(2)] to FOXO3A (phospho S253)
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, Dot blot 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	MCF-7 cell lysate treated with IGF; Human endometrial carcinoma tissue; Human pancreas tissue.
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 -20°C.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号EPR1951(2)

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab154786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。

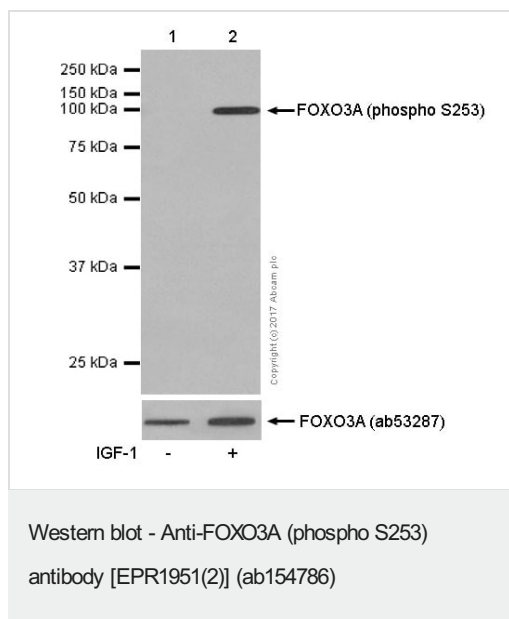
应用	Ab评论	说明
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 71 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Dot blot		Use at an assay dependent concentration.

应用说明Is unsuitable for Flow Cyt, ICC/IF or IP.

靶标

功能	Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'.
组织特异性	Ubiquitous.
疾病相关	Note=A chromosomal aberration involving FOXO3 is found in secondary acute leukemias. Translocation t(6;11)(q21;q23) with MLL/HRX.
序列相似性	Contains 1 fork-head DNA-binding domain.
翻译后修饰	In the presence of survival factors such as IGF-1, phosphorylated on Thr-32 and Ser-253 by AKT1/PKB. This phosphorylated form then interacts with 14-3-3 proteins and is retained in the cytoplasm. Survival factor withdrawal induces dephosphorylation and promotes translocation to the nucleus where the dephosphorylated protein induces transcription of target genes and triggers apoptosis. Although AKT1/PKB doesn't appear to phosphorylate Ser-315 directly, it may activate other kinases that trigger phosphorylation at this residue. Phosphorylated by STK4 on Ser-209 upon oxidative stress, which leads to dissociation from YWHAB/14-3-3-beta and nuclear translocation. Phosphorylated by PIM1.
细胞定位	Cytoplasm > cytosol. Nucleus. Translocates to the nucleus upon oxidative stress and in the absence of survival factors.

图片



All lanes : Anti-FOXO3A (phospho S253) antibody [EPR1951(2)] (ab154786) at 1/5000 dilution

Lane 1 : MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : MCF-7 (Human breast adenocarcinoma epithelial cell) treated with IGF-1. Whole cell lysates

Lysates/proteins at 15 µg per lane.

Secondary

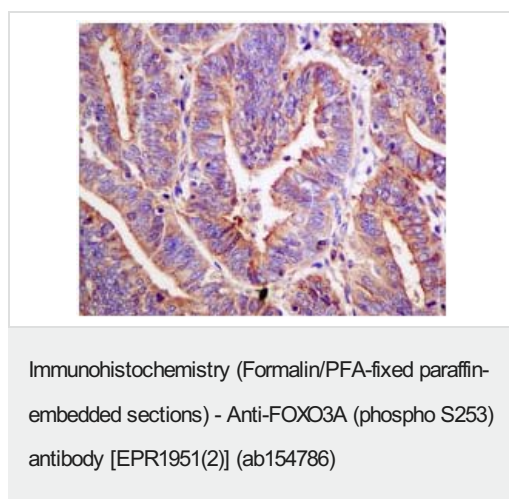
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 71 kDa

Observed band size: 90 kDa

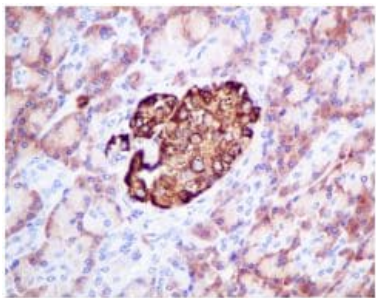
Exposure time: 1 minute

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded Human endometrial carcinoma tissue labeling FOXO3A (phospho S253) with ab154786 at 1/50 dilution.

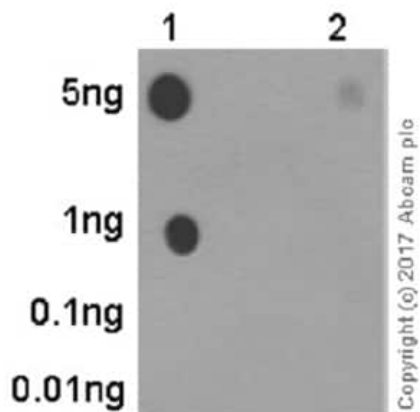
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXO3A (phospho S253) antibody [EPR1951(2)] (ab154786)

Immunohistochemical analysis of paraffin-embedded Human normal pancreas tissue labeling FOXO3A (phospho S253) with ab154786 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Dot Blot - Anti-FOXO3A (phospho S253) antibody [EPR1951(2)] (ab154786)

Dot Blot analysis of Lane 1: FOXO3A (pS253) phospho peptide and Lane 2: FOXO3A non-phospho peptide with ab154786 at 1/1000 dilution. 5% NFDm/TBST was used as the blocking and diluting buffer and concentration. [ab97051](#), Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated was used as the secondary antibody at 1/100000 dilution. Exposure time: 3 minutes.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-FOXO3A (phospho S253) antibody
[EPR1951(2)] (ab154786)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors