

### Anti-FOXO3A antibody ab12162

★★★★★ [11 Abreviews](#) [72 References](#) [4 图像](#)

#### 概述

<b>产品名称</b>	Anti-FOXO3A抗体
<b>描述</b>	兔多克隆抗体to FOXO3A
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> IHC-P, ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Human <b>预测可用于:</b> Rat 
<b>免疫原</b>	Synthetic peptide: C-GLNVGNFTGAKQASSQ, with N-terminally added cysteine, conjugated to maleimide activated KLH, corresponding to amino acids 653-668 of Human FOXO3A. <a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>
<b>常规说明</b>	Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.  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.  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

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	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.
<b>存储溶液</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 0.0268% PBS, 1% BSA
<b>纯度</b>	Immunogen affinity purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab12162于以下的经测试应用

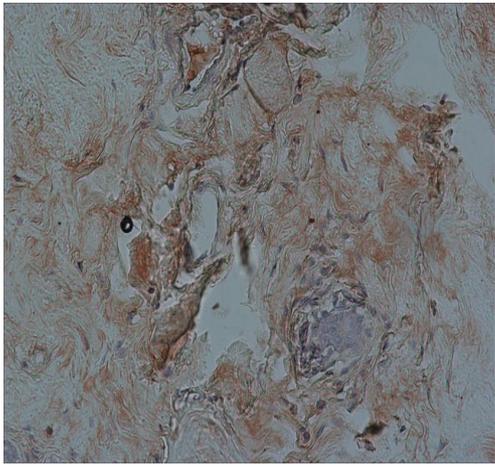
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (1)	Use a concentration of 10 µg/ml.
ICC/IF	★★★★☆ (2)	1/200.

## 靶标

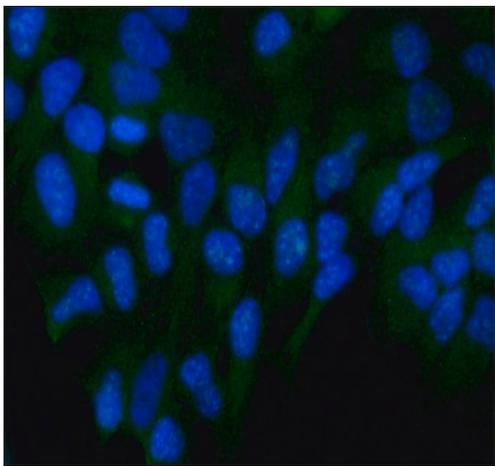
<b>功能</b>	Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'.
<b>组织特异性</b>	Ubiquitous.
<b>疾病相关</b>	Note=A chromosomal aberration involving FOXO3 is found in secondary acute leukemias. Translocation t(6;11)(q21;q23) with MLL/HRX.
<b>序列相似性</b>	Contains 1 fork-head DNA-binding domain.
<b>翻译后修饰</b>	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.
<b>细胞定位</b>	Cytoplasm > cytosol. Nucleus. Translocates to the nucleus upon oxidative stress and in the absence of survival factors.

## 图片



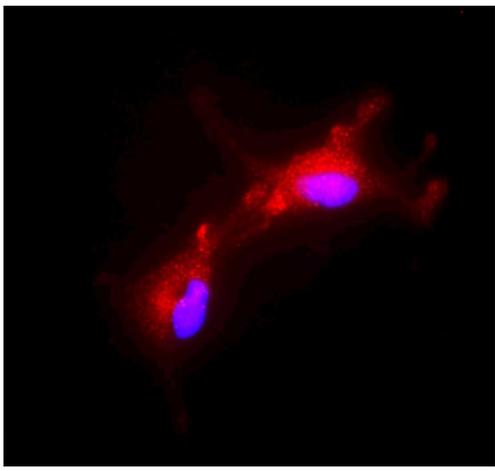
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human breast carcinoma tissue labelling FOXO3a with ab12162 at 10 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXO3A antibody (ab12162)



Immunocytochemistry/immunofluorescence analysis of human cervix carcinoma cells labelling FOXO3A with ab[12162 at 1/200 dilution.

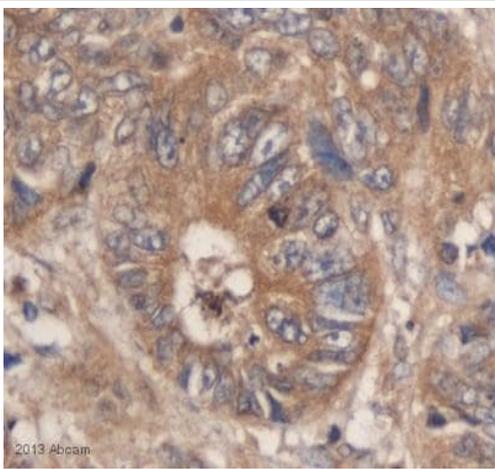
Immunocytochemistry/ Immunofluorescence - Anti-FOXO3A antibody (ab12162)



Immunocytochemistry/ Immunofluorescence - Anti-FOXO3A antibody (ab12162)

This image is courtesy of an anonymous Abreview

ab12162 staining FOXO3A in Rat fibroblast cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.03% Triton X-100 and blocked with 5% serum for 10 minutes at 25°C. Samples were incubated with primary antibody (1/300) for 1 hour at 25°C.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXO3A antibody (ab12162)

This image is courtesy of an anonymous Abreview

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon carcinoma tissue, staining FOXO3A with ab12162.

Tissue was fixed with formaldehyde and blocked with 1% serum for 1 hour at 24°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/100 in diluent) for 12 hours at 4°C. A biotinylated goat anti-rabbit polyclonal IgG (1/200) was used as the secondary antibody.

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