

### Anti-Inhibin alpha antibody [4A2F2] ab47720

**5 References**   **5 图像**

#### 概述

产品名称	Anti-Inhibin alpha抗体[4A2F2]
描述	小鼠单克隆抗体[4A2F2] to Inhibin alpha
宿主	Mouse
特异性	This antibody is specific for Inhibin alpha.
经测试应用	适用于: Flow Cyt, ICC/IF, IHC-P
种属反应性	与反应: Human
免疫原	Ni-NTA purified truncated recombinant Inhibin alpha expressed in E. Coli strain BL21 (DE3)
阳性对照	Human lymphoid tissue, human ovary tumor tissue and human testicle tumor tissue.
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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid 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	4A2F2
同种型	IgG1

#### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab47720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
Flow Cyt		Use 1µg for 10 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		1/200 - 1/1000.
IHC-P		Use at an assay dependent concentration.

## 靶标

### 功能

Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins.

### 组织特异性

Originally found in ovary (granulosa cells) and testis (Sertoli cells), but widely distributed in many tissues including brain and placenta. In adrenal cortex expression is limited to the zona reticularis and the innermost zona fasciculata in the normal gland, extending centripetally into the zona fasciculata in hyperplasia. Also found in adrenocortical tumors. Also expressed in prostate epithelium of benign prostatic hyperplasia, in regions of basal cell hyperplasia and in nonmalignant regions of high grade prostate cancer. Only circulating inhibin B is found in male, whereas circulating inhibins A and B are found in female.

### 序列相似性

Belongs to the TGF-beta family.

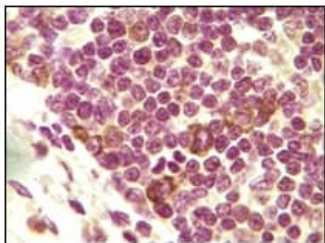
### 翻译后修饰

Proteolytic processing yields a number of bioactive forms. The 20/23 kDa forms consist solely of the mature alpha chain, the 26/29 kDa forms consist of the most N-terminal propeptide linked through a disulfide bond to the mature alpha chain, the 50/53 kDa forms encompass the entire proprotein. Each type can be furthermore either mono- or diglycosylated, causing the mass difference.

### 细胞定位

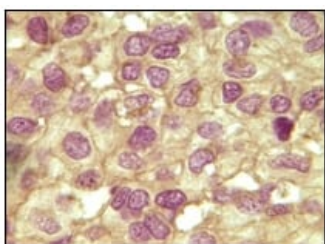
Secreted.

## 图片



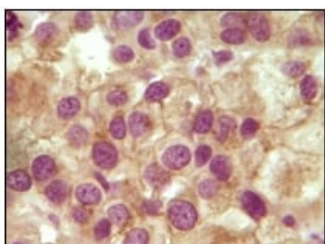
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Inhibin alpha antibody [4A2F2] (ab47720)

Immunohistochemical analysis of paraffin-embedded human lymphoid tissue showing cytoplasmic/ membrane localization using ab47720 at a 1/500 dilution, with DAB staining.



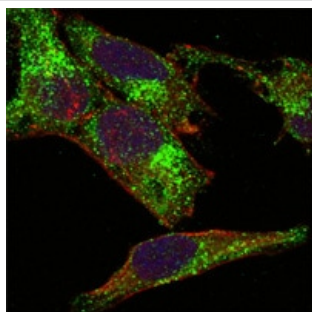
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Inhibin alpha antibody [4A2F2] (ab47720)

Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue showing cytoplasmic/ membrane localization using ab47720 at a 1/500 dilution, with DAB staining.



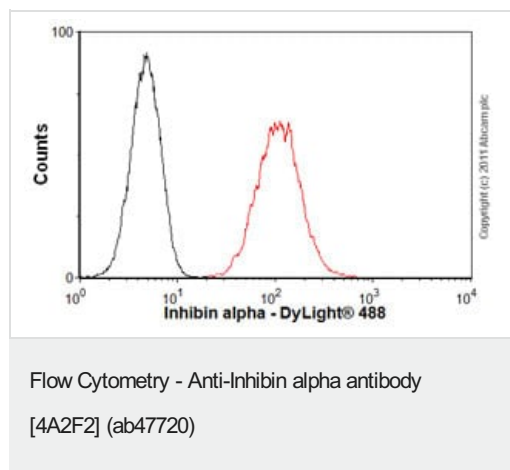
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Inhibin alpha antibody [4A2F2] (ab47720)

Immunohistochemical analysis of paraffin-embedded human testicle tumor tissue showing cytoplasmic/ membrane localization using ab47720 at a 1/500 dilution, with DAB staining.



Immunocytochemistry/ Immunofluorescence - Anti-Inhibin alpha antibody [4A2F2] (ab47720)

ab47720 at 1/1000 dilution staining Inhibin alpha in human Hela cells by immunocytochemistry/ Immunofluorescence. An Alexa Fluor® 488 conjugated Goat polyclonal to mouse IgG was used as secondary antibody. The primary show green staining in image while actin filaments have been labelled red with DY-554 phalloidin. Nuclei were stained blue with DRAQ5 DNA fluorescent dye.



Overlay histogram showing HeLa cells stained with ab47720 (red line). The cells were fixed with 80% methanol (5 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 (ab47720, 1µg/1x10<sup>6</sup> 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/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde/permeabilized in 0.1% PBS-Tween used under the same conditions.

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

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