

### Anti-S100 alpha antibody ab11428

★★★★★ [2 Abreviews](#) [9 References](#) [3 图像](#)

#### 概述

产品名称	Anti-S100 alpha抗体
描述	兔多克隆抗体to S100 alpha
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Full length native protein (purified) corresponding to Human S100 alpha. Purified S100-alpha protein from human pectoral muscle cells.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituent: 3% BSA
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用ab11428于以下的经测试应用

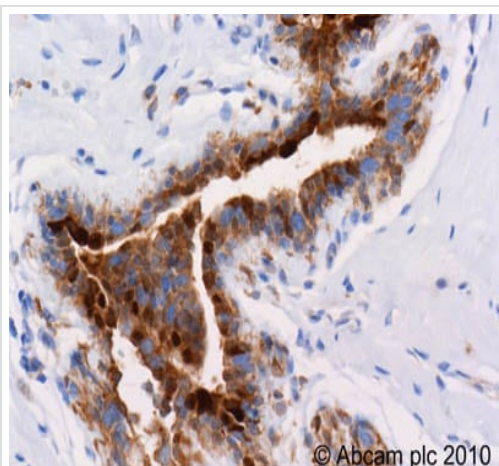
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 1 µg/ml.
ICC/IF		1/50 - 1/200.

## 靶标

功能	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites.
组织特异性	Highly prevalent in heart. Also found in lesser quantities in skeletal muscle and brain.
序列相似性	Belongs to the S-100 family. Contains 2 EF-hand domains.
细胞定位	Cytoplasm.

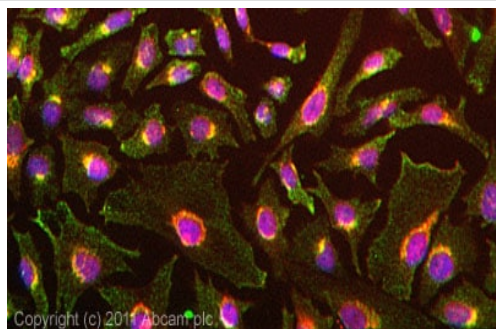
## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S100 alpha antibody (ab11428)

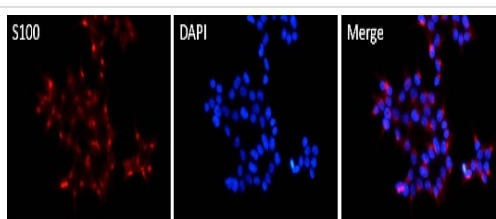
ab11428 (2µg/ml) staining S100 alpha in human breast tissue using an automated system (DAKO Autostainer Plus). Using this protocol there is strong staining of nuclear and cytoplasmic compartment within the breast ductal regions

Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10 mins. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 min and detected with Dako envision flex amplification kit for 30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.



Immunocytochemistry/ Immunofluorescence - Anti-S100 alpha antibody (ab11428)

ICC/IF image of ab11428 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab11428, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunocytochemistry/ Immunofluorescence - Anti-S100 alpha antibody (ab11428)

ab11428 labelling S100 alpha (red) in HEK293T cells by Immunocytochemistry/Immunofluorescence. Cells fixed with 4% formaldehyde were permeabilized and blocked with 1X PBS containing 5% BSA and 0.3% Triton X-100 for 1 hour at room temperature. Cells were incubated with primary antibody (1:100 in blocking buffer) overnight at 4°C. A fluorophore-conjugated goat anti-rabbit IgG (1:200) was used as the secondary antibody (1 hour at room temperature). Blue (DAPI) - nuclei. Images were taken at 40X magnification.

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

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