

## Product datasheet

# Anti-S100 alpha antibody [EPR5251] ab109384

**重组** RabMAb

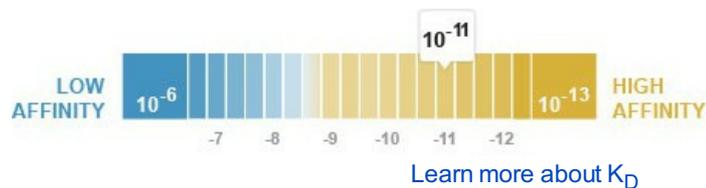
### 3 图像

#### 概述

<b>产品名称</b>	Anti-S100 alpha抗体[EPR5251]
<b>描述</b>	兔单克隆抗体[EPR5251] to S100 alpha
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> WB, IP, Flow Cyt, ICC/IF <b>不适用于:</b> IHC-P
<b>种属反应性</b>	<b>与反应:</b> Mouse, Rat, Human
<b>免疫原</b>	Synthetic peptide within Human S100 alpha aa 1-100. The exact sequence is proprietary.
<b>阳性对照</b>	WB: kidney, C2C12, mouse kidney, Human brain, HT-1080 and mouse heart lysate IF: HeLa cells
<b>常规说明</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>  This product is a recombinant rabbit monoclonal antibody.

#### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>解离常数 (K<sub>D</sub>)</b>	K <sub>D</sub> = 5.00 x 10 <sup>-11</sup> M



<b>存储溶液</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
<b>纯度</b>	Tissue culture supernatant
<b>克隆</b>	单克隆
<b>克隆编号</b>	EPR5251

## 同种型

IgG

## 应用

Our [Abpromise guarantee](#) covers the use of **ab109384** 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
WB		1/1000 - 1/10000. Predicted molecular weight: 11 kDa.
IP		1/10 - 1/100.
Flow Cyt		1/10 - 1/100. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100 - 1/250.

## 应用说明

Is unsuitable for IHC-P.

## 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.

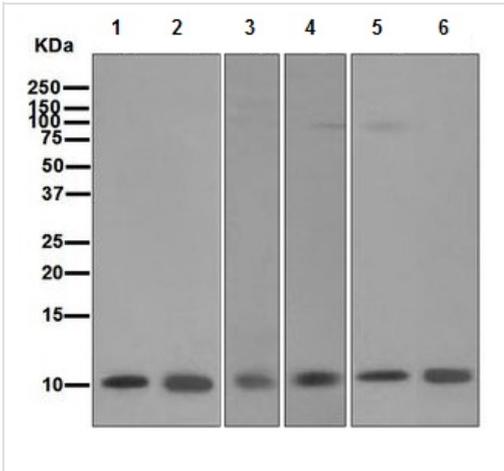
### 序列相似性

Belongs to the S-100 family.  
Contains 2 EF-hand domains.

### 细胞定位

Cytoplasm.

## 图片



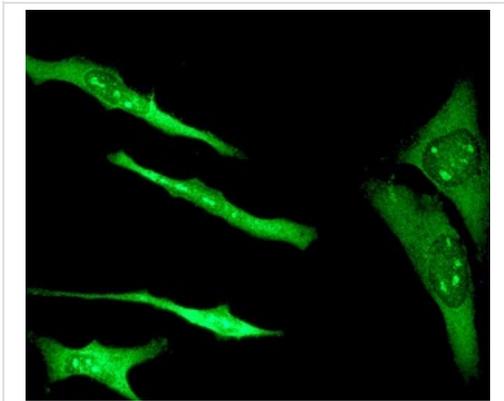
Western blot - Anti-S100 alpha antibody [EPR5251] (ab109384)

**All lanes :** Anti-S100 alpha antibody [EPR5251] (ab109384) at 1/1000 dilution

- Lane 1 :** Rat kidney lysate
- Lane 2 :** C2C12 lysate
- Lane 3 :** Mouse kidney lysate
- Lane 4 :** Human brain lysate
- Lane 5 :** HT-1080 lysate
- Lane 6 :** Mouse heart lysate

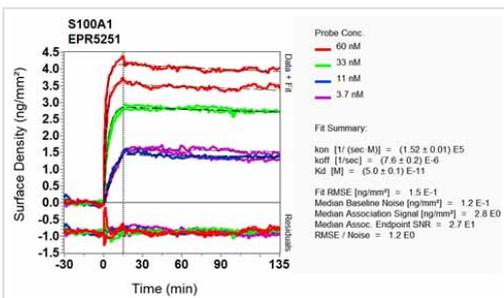
Lysates/proteins at 10 µg per lane.

**Predicted band size:** 11 kDa



Immunocytochemistry/ Immunofluorescence - Anti-S100 alpha antibody [EPR5251] (ab109384)

ab109384, at a 1/100 dilution staining S100 alpha in HeLa cells



Other - Anti-S100 alpha antibody [EPR5251] (ab109384)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

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