

### Anti-SCAI antibody [EPR4128] ab124688

重组 RabMAb

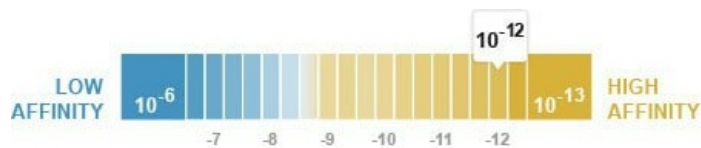
[4 References](#) [12 图像](#)

#### 概述

|              |   |
|--------------|---|
| <b>产品名称</b>  | Anti-SCAI抗体[EPR4128]  |
| <b>描述</b>    | 兔单克隆抗体[EPR4128] to SCAI   |
| <b>宿主</b>    | Rabbit  |
| <b>经测试应用</b> | <b>适用于:</b> IHC-P, Flow Cyt (Intra), ICC/IF, WB   |
| <b>种属反应性</b> | <b>与反应:</b> Mouse, Rat, Human   |
| <b>免疫原</b>   | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.   |
| <b>阳性对照</b>  | Human thymus, thyroid, and 293T cell lysates; SH-SY5Y cells.  |
| <b>常规说明</b>  | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p> |

#### 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> = 5.80 x 10 <sup>-12</sup> M                    |



[Learn more about K<sub>D</sub>](#)

|             |   |
|-------------|---|
| <b>存储溶液</b> | <p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS</p> |
|-------------|---|

|      |                    |
|------|--------------------|
| 纯度   | Protein A purified |
| 克隆   | 单克隆                |
| 克隆编号 | EPR4128            |
| 同种型  | IgG                |

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab124688于以下的经测试应用

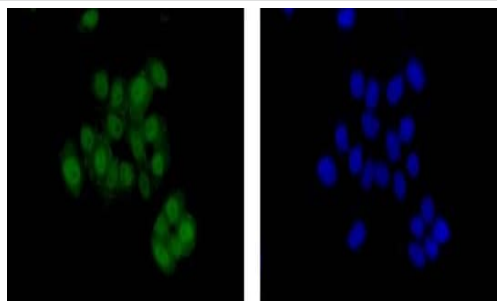
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用               | Ab评论 | 说明   |
|------------------|------|--|
| IHC-P            |      | 1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.<br><b>For unpurified, use 1/5.</b><br>See <a href="#">IHC antigen retrieval protocol</a> . |
| Flow Cyt (Intra) |      | 1/160.<br>For unpurified, use 1/20. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.   |
| ICC/IF           |      | 1/400. <b>For unpurified, use 1/50.</b>  |
| WB               |      | 1/1000 - 1/2000. Detects a band of approximately 66 kDa (predicted molecular weight: 70 kDa).<br><b>For unpurified, use 1/200.</b>   |

## 靶标

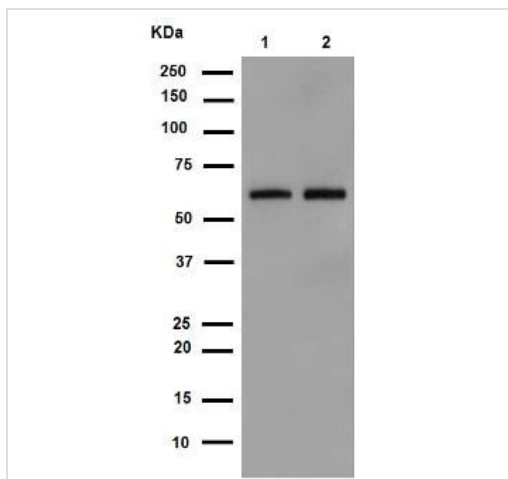
|       |  |
|-------|--|
| 功能    | Tumor suppressor which functions to suppress MKL1-induced SRF transcriptional activity. May function in the RHOA-DIAPH1 signal transduction pathway and regulate cell migration through transcriptional regulation of ITGB1. |
| 序列相似性 | Belongs to the SCAI family.  |
| 细胞定位  | Membrane. Nucleus. Cytoplasm. Nuclear localization is required for inhibition of MKL1.   |

## 图片



Immunocytochemistry/ Immunofluorescence - Anti-SCAI antibody [EPR4128] (ab124688)

Immunofluorescent staining of MCF7 cells (fixed with 4% PFA) with purified ab124688 at a dilution of 1/400. An Alexa Fluor<sup>®</sup> 488 goat anti-rabbit antibody was used as the secondary at a dilution of 1/200. The panel on the right shows the DAPI counter-staining.



Western blot - Anti-SCAI antibody [EPR4128] (ab124688)

**All lanes :** Anti-SCAI antibody [EPR4128] (ab124688) at 1/1600 dilution (purified)

**Lane 1 :** Mouse brain tissue lysate

**Lane 2 :** Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

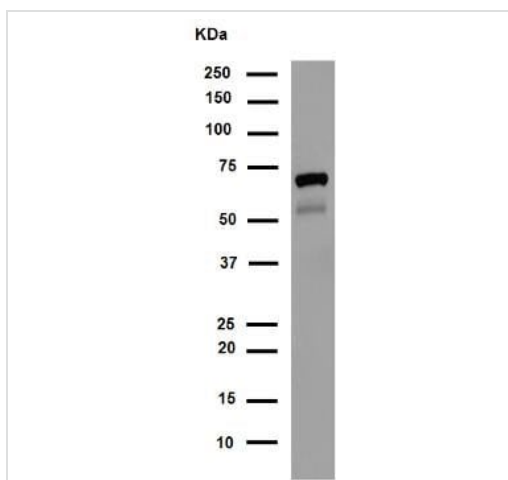
**All lanes :** HRP goat anti-rabbit (H+L) at 1/1000 dilution

**Predicted band size:** 70 kDa

**Observed band size:** 66 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-SCAI antibody [EPR4128] (ab124688)

Anti-SCAI antibody [EPR4128] (ab124688) at 1/1600 dilution (purified) + Human thyroid tissue lysate at 20 µg

**Secondary**

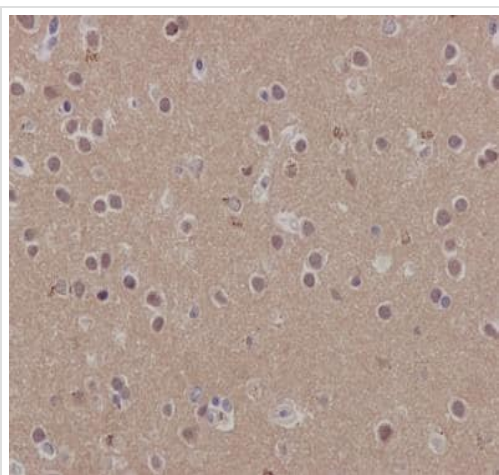
HRP goat anti-rabbit (H+L) at 1/1000 dilution

**Predicted band size:** 70 kDa

**Observed band size:** 66 kDa

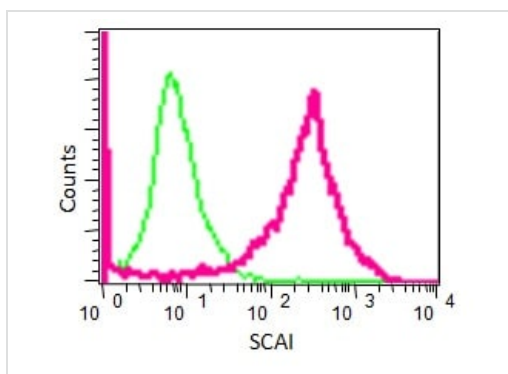
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



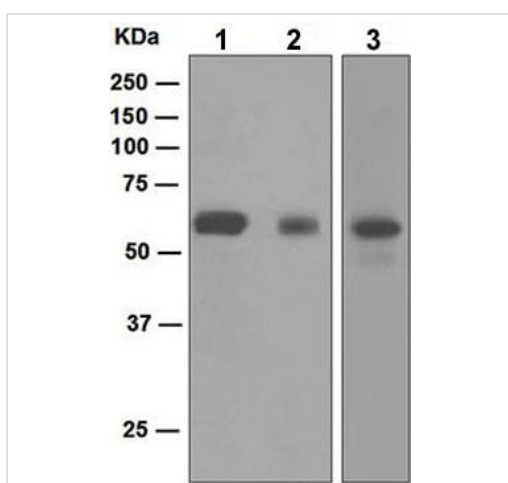
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCAI antibody [EPR4128] (ab124688)

Immunohistochemical staining of paraffin embedded human brain with purified ab124688 at a working dilution of 1 in 50. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0.



Flow Cytometry (Intracellular) - Anti-SCAI antibody [EPR4128] (ab124688)

Overlay histogram showing SH-SY5Y cells fixed in 2% PFA and stained with purified ab124688 at a dilution of 1 in 160 (pink line). The secondary antibody used was FITC goat anti-rabbit at a dilution of 1 in 150. Rabbit monoclonal IgG was used as an isotype control.



Western blot - Anti-SCAI antibody [EPR4128] (ab124688)

**All lanes** : Anti-SCAI antibody [EPR4128] (ab124688) at 1/1000 dilution (unpurified)

**Lane 1** : Human Thymus lysate

**Lane 2** : Human Thyroid lysate

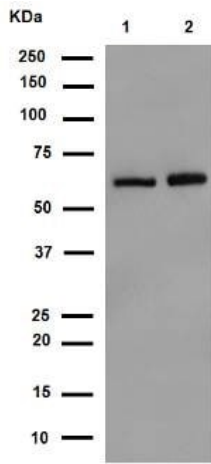
**Lane 3** : 293T cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : Goat-anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 70 kDa



Western blot - Anti-SCAI antibody [EPR4128] (ab124688)

**All lanes** : Anti-SCAI antibody [EPR4128] (ab124688) at 1/200 dilution (purified)

**Lane 1** : Mouse brain tissue lysate

**Lane 2** : Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

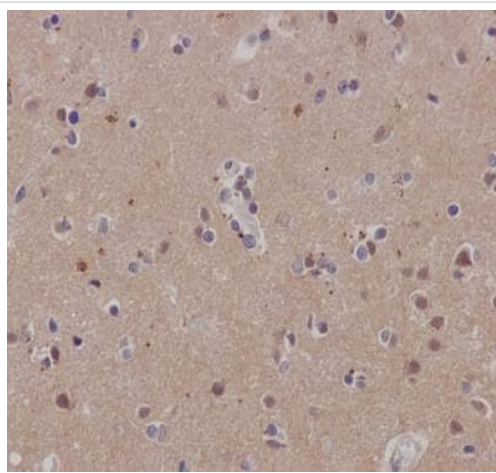
**All lanes** : HRP goat anti-rabbit (H+L) at 1/1000 dilution

**Predicted band size:** 70 kDa

**Observed band size:** 66 kDa

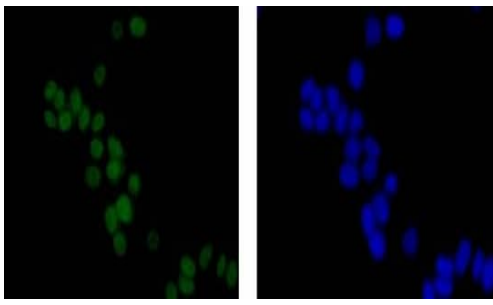
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



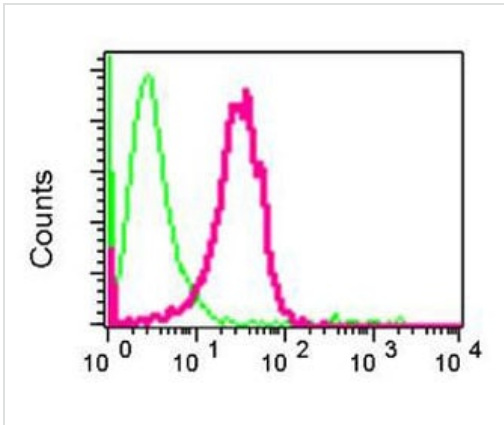
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SCAI antibody [EPR4128] (ab124688)

Immunohistochemical staining of paraffin embedded human brain with unpurified ab124688 at a working dilution of 1 in 5. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0.



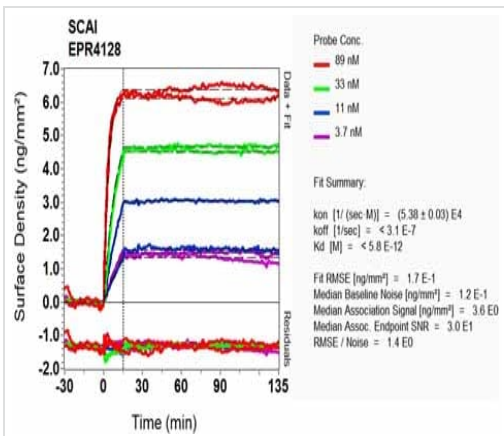
Immunocytochemistry/ Immunofluorescence - Anti-SCAI antibody [EPR4128] (ab124688)

Immunofluorescent staining of MCF7 cells (fixed with 4% PFA) with unpurified ab124688 at a dilution of 1/50. An Alexa Fluor<sup>®</sup> 488 goat anti-rabbit antibody was used as the secondary at a dilution of 1/200. The panel on the right shows the DAPI counter-staining.



Flow Cytometry (Intracellular) - Anti-SCAI antibody [EPR4128] (ab124688)

Unpurified ab124688 at 1/100 dilution staining SCAI in SH-SY5Y cells by intracellular flow cytometry (red) compared to a nonspecific negative control antibody (green).



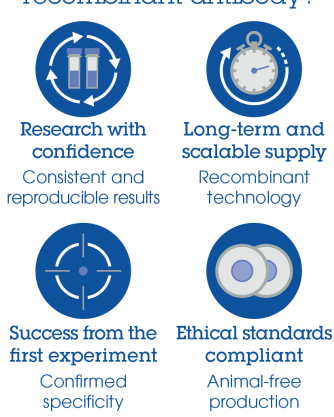
OI-RD Scanning - Anti-SCAI antibody [EPR4128] (ab124688)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

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

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-SCAI antibody [EPR4128] (ab124688)

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