abcam

Product datasheet

# Anti-SUN1 antibody [EPR6554] ab124770

重组 RabMAb

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## 概述

| | |
|---|---|
| **产品名称** | Anti-SUN1抗体[EPR6554] |
| **描述** | 兔单克隆抗体[EPR6554] to SUN1 |
| **宿主** | Rabbit |
| **经测试应用** | **适用于:** WB, IHC-P<br>**不适用于:** Flow Cyt,ICC/IF or IP |
| **种属反应性** | **与反应:** Human<br>**不与反应:** Mouse, Rat |
| **免疫原** | Synthetic peptide corresponding to Human SUN1 aa 100-200. |
| **阳性对照** | IHC-P: Human ovary carcinoma and human breast tissues. |
| **常规说明** | This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. |

## 性能

| | |
|---|---|
| **形式** | Liquid |
| **存放说明** | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| **存储溶液** | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: PBS, 40% Glycerol, 0.05% BSA |
| **纯度** | Protein A purified |
| **克隆** | 单克隆 |
| **克隆编号** | EPR6554 |
| **同种型** | IgG |

## 应用

**The Abpromise guarantee** Abpromise™承诺保证使用ab124770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 |
|---|---|---|
| **WB** | ★★★★★ (4) | 1/1000 - 1/10000. Detects a band of approximately 78-100 kDa (predicted molecular weight: 90 kDa). |
| **IHC-P** | | 1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.<br>Heat up to 98°C, below boiling, and then let cool for 10-20 min.<br>See **IHC antigen retrieval protocols**. |

**应用说明** Is unsuitable for Flow Cyt,ICC/IF or IP.

## 靶标

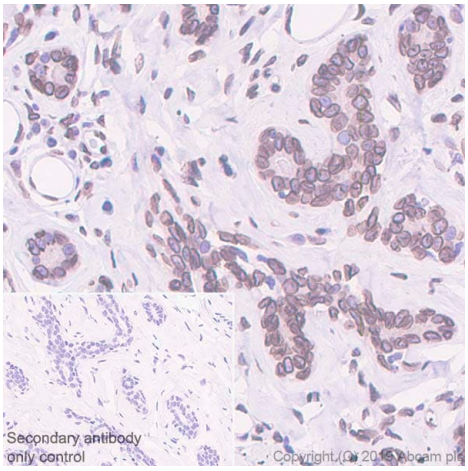
**功能** Component of SUN-protein-containing multivariate complexes also called LINC complexes which link the nucleoskeleton and cytoskeleton by providing versatile outer nuclear membrane attachment sites for cytoskeletal filaments. Required for interkinetic nuclear migration (INM) and essential for nucleokinesis and centrosome-nucleus coupling during radial neuronal migration in the cerebral cortex and during glial migration. Anchors chromosome movement in the prophase of meiosis and is involved in selective gene expression of coding and non-coding RNAs needed for gametogenesis. Required for telomere attachment to nuclear envelope and gametogenesis. Helps to define the distribution of nuclear pore complexes (NPCs).

**序列相似性** Contains 1 SUN domain.

**结构域** The SUN domain may play a role in the nuclear anchoring and/or migration.

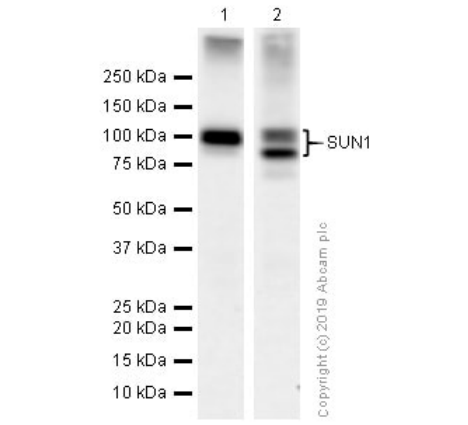
**细胞定位** Nucleus inner membrane.

## 图片




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUN1 antibody [EPR6554] (ab124770)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast tissue sections labeling SUN1 with purified ab124770 at 1/200 dilution (0.698 µg/ml). Perform heat mediated antigen retrieval using Citrate buffer, pH 6.0. ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.




Western blot - Anti-SUN1 antibody [EPR6554] (ab124770)

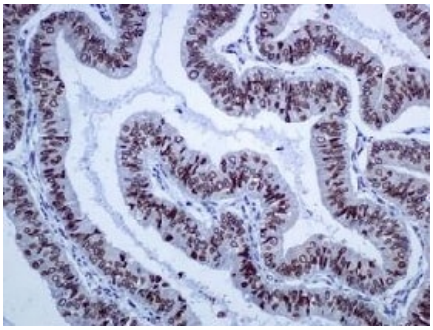
**All lanes :** Anti-SUN1 antibody [EPR6554] (ab124770) at 1/5000 dilution (Purified)

**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates at 15 µg
**Lane 2 :** HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates at 15 µg

**Secondary**
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 90 kDa
**Observed band size:** 100,90 kDa

The bands observed are consistent with what has been described in PMID: 16648470



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUN1 antibody [EPR6554] (ab124770)

Unpurified ab124770, at 1/100 dilution, staining SUN1 in paraffin-embedded Human ovary carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Anti-SUN1 antibody [EPR6554] (ab124770)

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

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