

Anti-SUN2 antibody [EPR6557] ab124916

重组 RabMAb

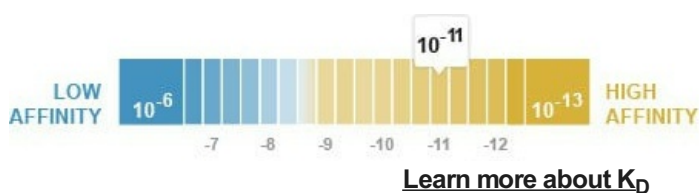
★★★★★ **5 Abreviews** **28 References** **13 图像**

概述

产品名称	Anti-SUN2抗体[EPR6557]
描述	兔单克隆抗体[EPR6557] to SUN2
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human SUN2 aa 700 to the C-terminus (C terminal). The exact sequence is proprietary. Database link: Q9UH99
阳性对照	WB: Human fetal muscle, Saos-2, HeLa, Jurkat and HepG2 lysates. IHC-P: Human lung and ovary tissues. Flow Cyt (intra): HeLa cells. ICC/IF: HeLa cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
解离常数 (K_D)	$K_D = 5.43 \times 10^{-11}$ M



存储溶液 pH: 7.20

	Preservative: 0.01% Sodium azide
	Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6557
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab124916于以下的经测试应用

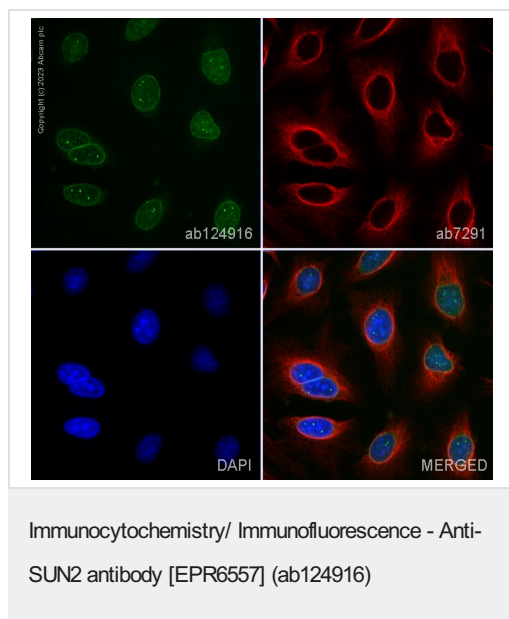
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/30.
WB	★★★★★ (3)	1/1000 - 1/10000. Predicted molecular weight: 80 kDa.
IHC-P		1/250 - 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (2)	Use a concentration of 0.2 - 1 µg/ml.

靶标

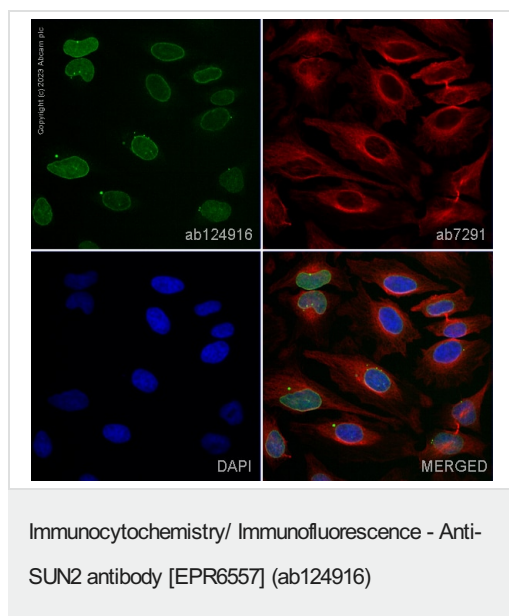
相关性	SUN proteins form part of the LINC complex - a protein bridge that spans the nuclear envelope linking the nucleoskeleton to the actin cytoskeleton. They are located on the inner nuclear membrane side of the complex. The LINC complex is thought to function in controlling nuclear position, contributing to mechanical resistance and the overall architecture of the cell. SUN2 can exist in a heterodimer with SUN1. Both can interact with lamins and nesprins in the nuclear envelope.
细胞定位	Nuclear membrane, endosome membrane, mitotic spindle organization.

图片



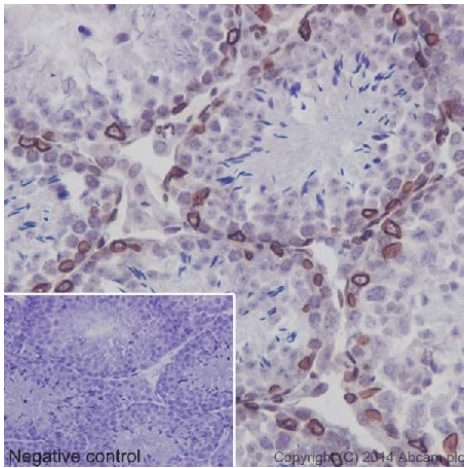
Immunofluorescence staining of SUN2 using ab124916 in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton-X-100 (in PBS) for 5 mins and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab124916 at 1.0 µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin, at 1/1000 dilution. Cells were then incubated with **ab150081**, Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



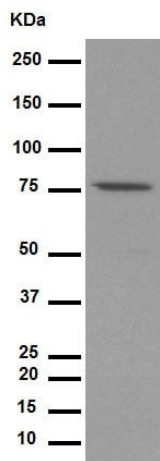
Immunofluorescence staining of SUN2 using ab124916 in HeLa cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton-X-100 (in PBS) for 5 mins and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab124916 at 0.2 µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin, at 1/1000 dilution. Cells were then incubated with **ab150081**, Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUN2 antibody [EPR6557] (ab124916)

ab124916 staining SUN2 in mouse testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/500). An HRP-conjugated goat anti-rabbit IgG, **ab97051** (1/500) was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



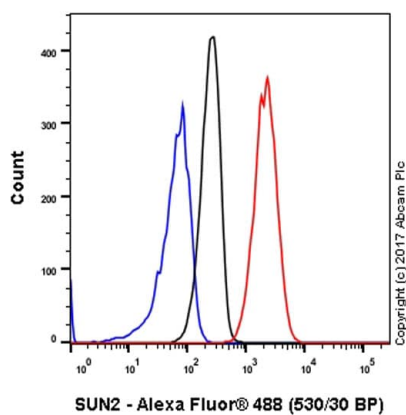
Western blot - Anti-SUN2 antibody [EPR6557] (ab124916)

Anti-SUN2 antibody [EPR6557] (ab124916) at 1/5000 dilution + Rat brain lysate at 10 µg

Secondary

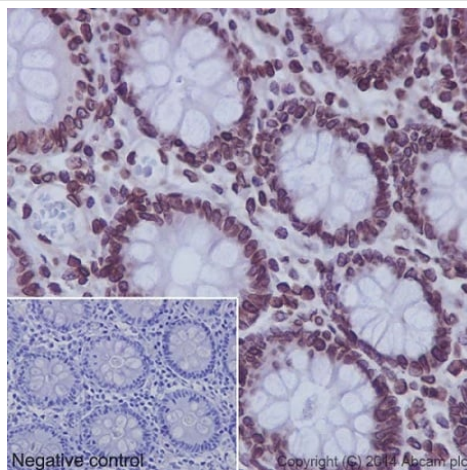
Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

Predicted band size: 80 kDa



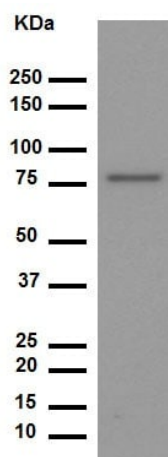
Flow Cytometry (Intracellular) - Anti-SUN2 antibody
[EPR6557] (ab124916)

Intracellular Flow Cytometry analysis of HeLa (human cervix adenocarcinoma) cells labeling SUN2 (red) with ab124916 at a 1/30 dilution. Cells were fixed with 80% methanol and permeabilized with 0.1% Tween-20. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with the primary and secondary antibodies.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUN2 antibody
[EPR6557] (ab124916)

ab124916 staining SUN2 in Human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/500). An HRP-conjugated Goat anti-rabbit IgG, **ab97051** (1/500), was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



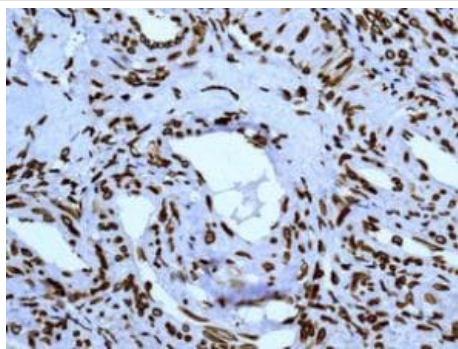
Western blot - Anti-SUN2 antibody [EPR6557]
(ab124916)

Anti-SUN2 antibody [EPR6557] (ab124916) at 1/5000 dilution +
Mouse heart lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

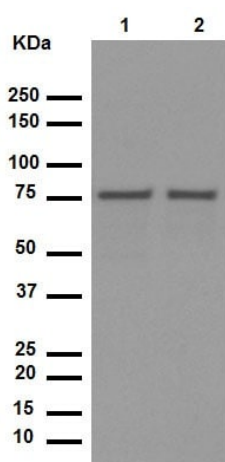
Predicted band size: 80 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUN2 antibody [EPR6557] (ab124916)

ab124916, unpurified, at a 1/250 dilution, staining SUN2 in paraffin embedded Human ovarian tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-SUN2 antibody [EPR6557] (ab124916)

All lanes : Anti-SUN2 antibody [EPR6557] (ab124916) at 1/5000 dilution

Lane 1 : HeLa cell Lysate

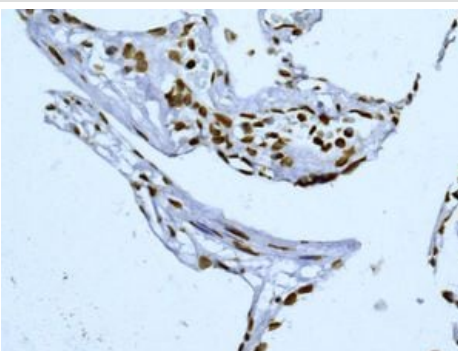
Lane 2 : Jurkat cell Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

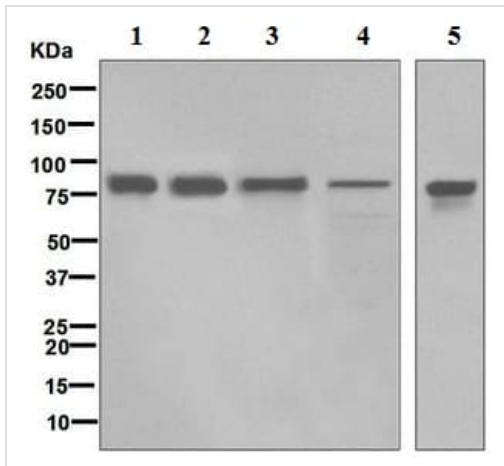
Predicted band size: 80 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SUN2 antibody [EPR6557] (ab124916)

ab124916, unpurified, at a 1/250 dilution, staining SUN2 in paraffin embedded Human lung tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-SUN2 antibody [EPR6557]
(ab124916)

All lanes : Anti-SUN2 antibody [EPR6557] (ab124916) at 1/1000 dilution (unpurified)

Lane 1 : Human fetal muscle lysate

Lane 2 : Saos-2 lysate

Lane 3 : HeLa lysate

Lane 4 : Jurkat lysate

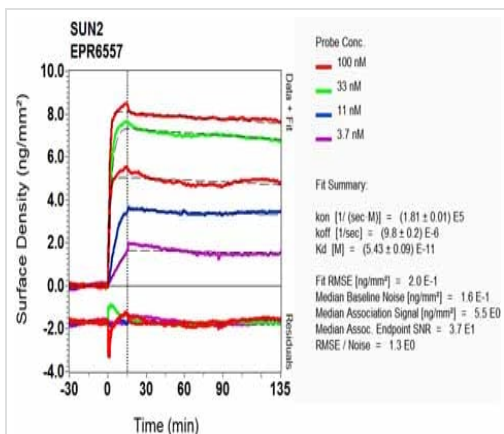
Lane 5 : HepG2 lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 80 kDa



SPR Scanning - Anti-SUN2 antibody [EPR6557]
(ab124916)

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-SUN2 antibody [EPR6557] (ab124916)

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