

Product datasheet

Anti-SUN2 antibody [EPR6556] - BSA and Azide free ab248569

Recombinant RabMAb

[4 Images](#)

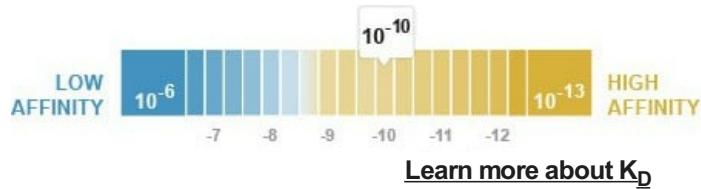
Overview

| | |
|----------------------------|--|
| Product name | Anti-SUN2 antibody [EPR6556] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR6556] to SUN2 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: IP, WB Unsuitable for: Flow Cyt, ICC/IF or IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab248569 is the carrier-free version of ab133591.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with</p> |

these species. Please contact us for more information.

Properties

| | |
|--|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Dissociation constant (K_D) | K _D = 1.01 x 10 ⁻¹⁰ M |



| | |
|-----------------------|-----------------------------|
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Affinity purified |
| Clonality | Monoclonal |
| Clone number | EPR6556 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab248569 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

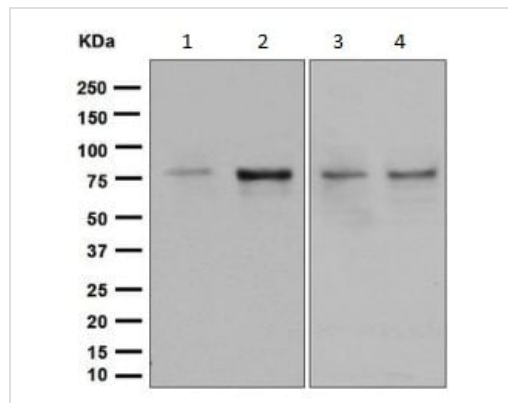
| Application | Abreviews | Notes |
|-------------|-----------|--|
| IP | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 80 kDa. |

Application notes Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

Relevance 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.

Cellular localization Nuclear membrane, endosome membrane, mitotic spindle organization.



Western blot - Anti-SUN2 antibody [EPR6556] - BSA and Azide free (ab248569)

All lanes : Anti-SUN2 antibody [EPR6556] ([ab133591](#)) at 1/1000 dilution

Lane 1 : Human fetal muscle tissue lysate

Lane 2 : Saos 2 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : HepG cell lysate

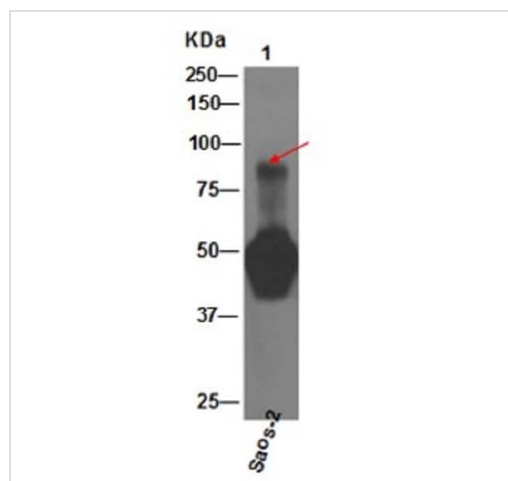
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled Goat anti-Rabbit IgG at 1/2000 dilution

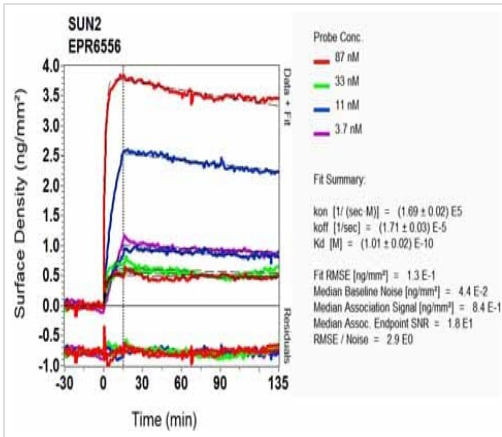
Predicted band size: 80 kDa

This data was developed using [ab133591](#), the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-SUN2 antibody [EPR6556] - BSA and Azide free (ab248569)

This data was developed using [ab133591](#), the same antibody clone in a different buffer formulation. [ab133591](#) at 1/30 dilution immunoprecipitating SUN2 in Saos-2 (human osteosarcoma) cell lysate. Total sample is 300µg. The large spread out band at 50 kDa is Rabbit IgG heavy chain.



OI-RD Scanning - Anti-SUN2 antibody [EPR6556] - BSA and Azide free (ab248569)

This data was developed using [ab133591](#), the same antibody clone in a different buffer formulation. Equilibrium disassociation 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 [EPR6556] - BSA and Azide free (ab248569)

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

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