

## Product datasheet

### HRP Anti-SFT antibody [EPR13000(B)] ab215343

KO VALIDATED

Recombinant

RabMAb

3 Images

#### Overview

Product name	HRP Anti-SFT antibody [EPR13000(B)]
Description	HRP Rabbit monoclonal [EPR13000(B)] to SFT
Host species	Rabbit
Conjugation	HRP
Tested applications	<b>Suitable for:</b> WB
Species reactivity	<b>Reacts with:</b> Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Jurkat, HeLa, Human skeletal muscle, HAP1 WT (shows pos.), SFT KO HAP1 (shows neg.)
General notes	<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>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.1% Proclin 300 Solution</p> <p>Constituents: 1% BSA, 30% Glycerol (glycerin, glycerine), PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13000(B)
Isotype	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab215343 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
WB		1/5000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).

## Target

### Function

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP-induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and auto-ubiquitination of CHIP, TRAF6 and TRIM63/MURF1. Ubiquitinates CHIP-associated HSP90AB1 in vitro. Lacks inherent specificity for any particular lysine residue of ubiquitin. Essential for viral activation of IRF3. Mediates polyubiquitination of CYP3A4.

### Tissue specificity

Ubiquitous. Up-regulated in livers of iron-overloaded patients with hereditary hemochromatosis.

### Pathway

Protein modification; protein ubiquitination.

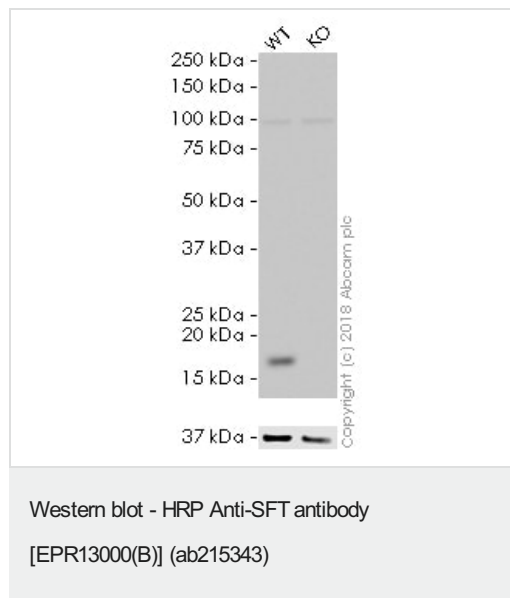
### Sequence similarities

Belongs to the ubiquitin-conjugating enzyme family.

### Cellular localization

Cytoplasm.

## Images



**All lanes :** HRP Anti-SFT antibody [EPR13000(B)] (ab215343) at 1/5000 dilution

**Lane 1 :** Wild-type HAP1 whole cell lysate

**Lane 2 :** SFT knockout HAP1 whole cell lysate

Lysates/proteins at 20 µg per lane.

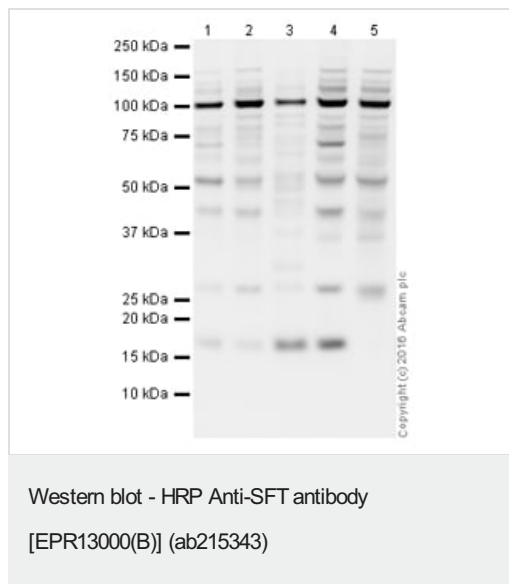
**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

**Exposure time:** 30 seconds

ab215343 was shown to recognize SFT in wild-type HAP1 cells as signal was lost at the expected MW in SFT knockout cells.

Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and SFT knockout samples were subjected to SDS-PAGE. Ab215343 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/1000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



**All lanes :** HRP Anti-SFT antibody [EPR13000(B)] (ab215343) at 1/5000 dilution

**Lane 1 :** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate at 10 µg

**Lane 2 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

**Lane 3 :** Skeletal Muscle (Human) Tissue Lysate - adult normal tissue at 10 µg

**Lane 4 :** HAP1 WT at 20 µg

**Lane 5 :** SFT KO HAP1 at 20 µg

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 17 kDa

**Observed band size:** 17 kDa

**Exposure time:** 4 minutes

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab215343 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

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

HRP Anti-SFT antibody [EPR13000(B)] (ab215343)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors