

## Product datasheet

### Anti-SEH1L antibody [EPR20851] $\alpha$ b218531

Recombinant RabMAb

[2 References](#) [4 Images](#)

#### Overview

<b>Product name</b>	Anti-SEH1L antibody [EPR20851]
<b>Description</b>	Rabbit monoclonal [EPR20851] to SEH1L
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HEK-293T whole cell lysate. Mouse liver lysate. IP: HEK-293T whole cell lysate.
<b>General notes</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>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20851
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab218531 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		1/1000. Predicted molecular weight: 40 kDa.
IP		1/30.

## Target

### Function

Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC. The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation. This subunit plays a role in recruitment of the Nup107-160 subcomplex to the kinetochore.

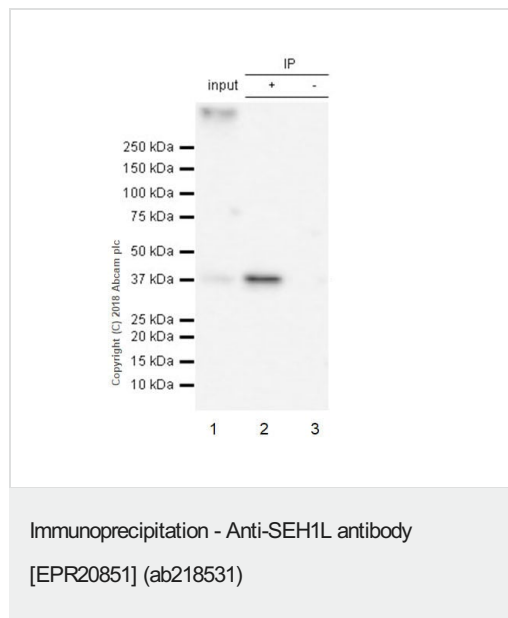
### Sequence similarities

Belongs to the WD repeat SEC13 family.  
Contains 6 WD repeats.

### Cellular localization

Chromosome > centromere > kinetochore. Nucleus > nuclear pore complex.

## Images



SEH1L was immunoprecipitated from 0.35 mg HEK-293T (Human embryonic kidney epithelial cell) whole cell lysate with ab218531 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab218531 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

**Lane 1:** HEK-293T whole cell lysate 10 µg (Input).

**Lane 2:** ab218531 IP in HEK-293T whole cell lysate (+).

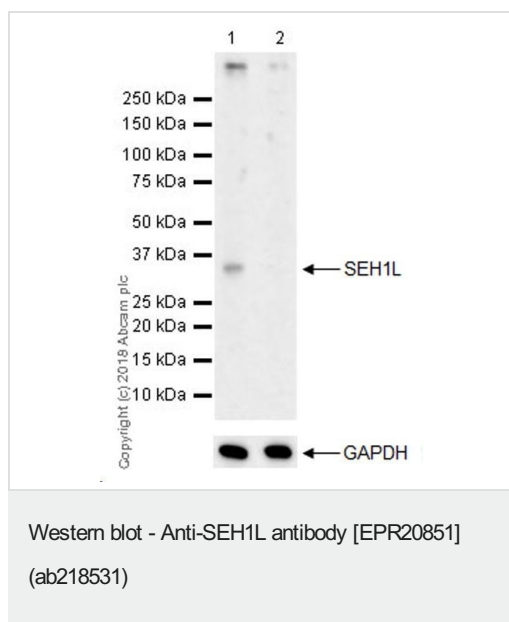
**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab218531 in HEK-293T whole cell lysate (-).

**Blocking/Dilution buffer:** 5% NFDM/TBST.

**Exposure time:** 10 seconds.

The molecular mass observed is consistent with what has been described in the literature (PMID: 28199315).

According to the data of WB1, the band above 250 kDa could be protein aggregates containing SEH1L.



**All lanes :** Anti-SEH1L antibody [EPR20851] (ab218531) at 1/1000 dilution

**Lane 1 :** HEK-293T (human embryonic kidney epithelial cell) whole cell lysate

**Lane 2 :** HEK-293T (human embryonic kidney epithelial cell) transfected with shSEH1L vector, whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

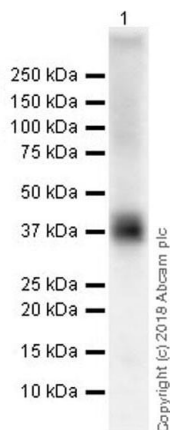
**Predicted band size:** 40 kDa

**Exposure time:** 3 minutes

**Blocking/Dilution buffer:** 5% NFDM/TBST.

The molecular mass observed is consistent with what has been described in the literature (PMID: 28199315). The band above 250 kDa was also decreased in the SEH1L knockdown lysate. This suggests that the band contains SEH1L, possibly in protein aggregates.

The cell lysates were kindly provided by our collaborator Dr. Liang Zhang, Xiamen University.



Western blot - Anti-SEH1L antibody [EPR20851]  
(ab218531)

Anti-SEH1L antibody [EPR20851] (ab218531) at 1/1000 dilution +  
Mouse liver lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

**Predicted band size:** 40 kDa

**Exposure time:** 3 minutes

**Blocking/Dilution buffer:** 5% NFDm/TBST.

The molecular mass observed is consistent with what has been  
described in the literature (PMID: 28199315).

### 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-SEH1L antibody [EPR20851] (ab218531)

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

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