



Product datasheet

Anti-SNRNP200 antibody ab176715

2 Images

Overview

<b>Product name</b>	Anti-SNRNP200 antibody
<b>Description</b>	Rabbit polyclonal to SNRNP200
<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>	<p>Synthetic peptide within Human SNRNP200 aa 400-450. The exact sequence is proprietary.            NP_054733.2            Sequence:            GEALAPRQVLDLEDLVFTQGSHFMANKRCQLPDGSF            RRQRKGYEEVHVPA L</p> <p>Database link: <a href="#">O75643</a></p> <p style="text-align: right;"> <a href="#">Run BLAST with</a>       <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	HeLa, 293T, Jurkat and NIH3T3 whole cell lysates.

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>Preservative: 0.09% Sodium azide            Constituent: 99% Tris citrate/phosphate</p> <p>pH 7.0-8.0</p>
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab176715 was affinity purified using an epitope specific to SNRNP200 immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

## Applications

Our [Abpromise guarantee](#) covers the use of **ab176715** 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		1/2000 - 1/10000. Predicted molecular weight: 245 kDa.
IP		Use at 2-10 µg/mg of lysate.

## Target

### Function

Putative RNA helicase involved in the second step of RNA splicing. May promote one or more conformational changes in the dynamic network of RNA-RNA interactions in the spliceosome. Appears to catalyze an ATP-dependent unwinding of U4/U6 RNA duplexes.

### Tissue specificity

Widely expressed.

### Involvement in disease

Defects in SNRNP200 are the cause of retinitis pigmentosa type 33 (RP33) [MIM:610359]. It is a retinal dystrophy belonging to the group of pigmentary retinopathies. Retinitis pigmentosa is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.

### Sequence similarities

Belongs to the helicase family. SKI2 subfamily.  
Contains 2 helicase ATP-binding domains.  
Contains 2 helicase C-terminal domains.  
Contains 2 SEC63 domains.

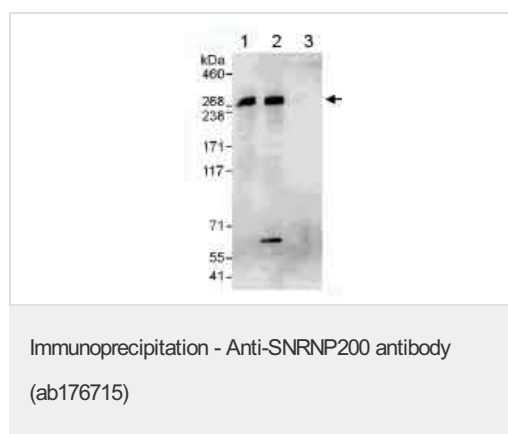
### Domain

Composed of two similar domains.

### Cellular localization

Nucleus.

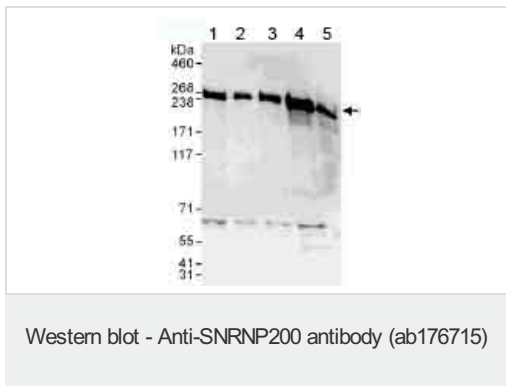
## Images



SNRNP200 was immunoprecipitated from 1mg HeLa whole cell lysate using ab176715 at 6 µg/mg lysate (Lane 2), a rabbit anti-SNRNP200 antibody recognizing an upstream epitope (Lane 1) or control IgG (Lane 3). 20% of the Immunoprecipitate was loaded per lane and then immunobotted using ab176715 at 1.0 µg/ml.

Detection:

Chemiluminescence with exposure time of 10 seconds.



**All lanes :** Anti-SNRNP200 antibody (ab176715) at 0.1 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** 293T whole cell lysate at 50 µg

**Lane 4 :** Jurkat whole cell lysate at 50 µg

**Lane 5 :** NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 245 kDa

**Exposure time:** 30 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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