


## Product datasheet

### Anti-RanBP1 antibody ab70185

2 Images

#### Overview

<b>Product name</b>	Anti-RanBP1 antibody
<b>Description</b>	Rabbit polyclonal to RanBP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide corresponding a region between residues 1 and 50 of human RanBP1 (NP_002873.1)
<b>Positive control</b>	HeLa whole cell lysates.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab70185 was affinity purified using an epitope specific to RanBP1 immobilized on solid support.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70185 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		
IP		

### Application notes

IP: Use at 2-5µg/mg of lysate.

WB: 1/1000 - 1/5000. Detects a band of approximately 28 kDa (predicted molecular weight: 23 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

### Function

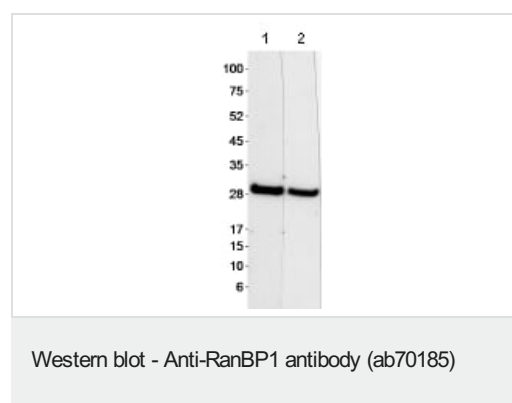
Inhibits GTP exchange on Ran. Forms a Ran-GTP-RANBP1 trimeric complex. Increase GTP hydrolysis induced by the Ran GTPase activating protein RANGAP1. May act in an intracellular signaling pathway which may control the progression through the cell cycle by regulating the transport of protein and nucleic acids across the nuclear membrane.

### Sequence similarities

Belongs to the RANBP1 family.

Contains 1 RanBD1 domain.

## Images



**Lane 1 :** Anti-RanBP1 antibody (ab70185) at 1 µg/ml

**Lane 2 :** Anti-RanBP1 antibody (ab70185) at 0.33 µg/ml

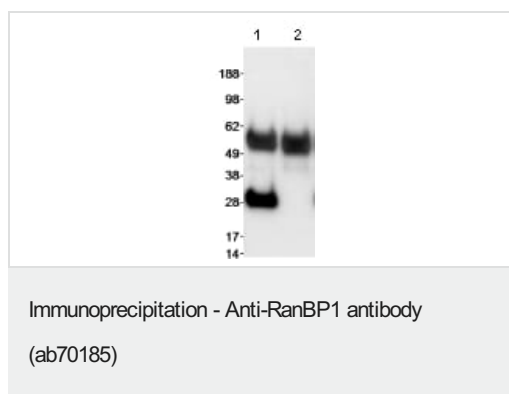
**All lanes :** HeLa whole cell lysate

Lysates/proteins at 50 µg per lane.

**Predicted band size:** 23 kDa

**Observed band size:** 28 kDa

**Exposure time:** 5 minutes



Western Blot showing ab70185 at 1 µg/ml staining RanBP1 in HeLa whole cell lysates immunoprecipitated using ab70185 at 5 µg/0.5mg lysate (Lane 1). Lane 2: Control IgG was used for immunoprecipitation. Detection: Chemiluminescence with an exposure time of 5 minutes

**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

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- 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.

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