


## Product datasheet

### Anti-RPL7 antibody ab72550

★★★★★ [1 Abreviews](#) [23 References](#) [5 Images](#)

#### Overview

<b>Product name</b>	Anti-RPL7 antibody
<b>Description</b>	Rabbit polyclonal to RPL7
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Rhesus monkey, Gorilla, Catfish, Orangutan, Xenopus tropicalis 
<b>Immunogen</b>	Synthetic peptide corresponding to a region between residue 200 and the C-terminus (residue 248) of human RPL7 (NP_000962.2)
<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: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab72550 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
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/2000 - 1/10000. Detects a band of approximately 29 kDa (predicted molecular weight: 29 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-P		Use a concentration of 1 mg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## Target

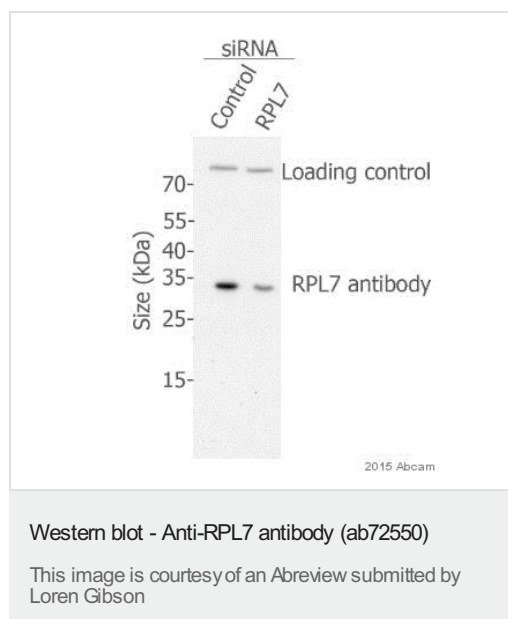
### Function

Binds to G-rich structures in 28S rRNA and in mRNAs. Plays a regulatory role in the translation apparatus; inhibits cell-free translation of mRNAs.

### Sequence similarities

Belongs to the ribosomal protein L30P family.

## Images



**All lanes :** Anti-RPL7 antibody (ab72550)

**Lane 1 :** U2OS whole cell lysate treated with control siRNA

**Lane 2 :** U2OS whole cell lysate treated with RPL7 siRNA

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP-conjugated donkey anti-rabbit IgG polyclonal at 1/1 dilution

Developed using the ECL technique.

Performed under reducing conditions.

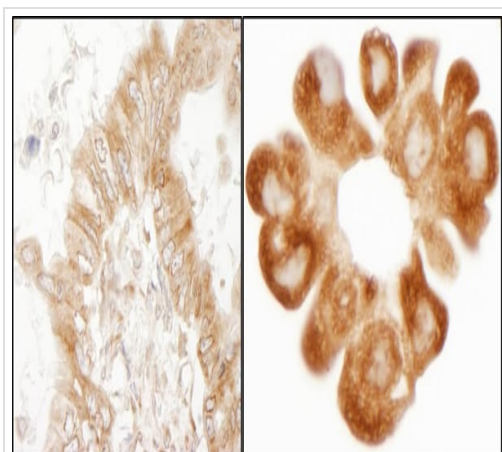
**Predicted band size:** 29 kDa

**Observed band size:** 30 kDa

**Exposure time:** 10 seconds

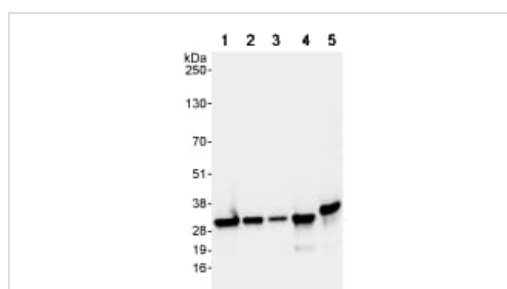
Blocked with 2% milk for 1 hour at 18°C.

Incubated with the primary antibody in 2% milk for 18 hours at 4°C.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPL7 antibody (ab72550)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma and bronchioalveolar carcinoma pleural effusion tissue labelling RPL7 with ab72550 at 1/1000 (0.2µg/ml) and 1/200 (1µg/ml). Detection: DAB.



Western blot - Anti-RPL7 antibody (ab72550)

**All lanes :** Anti-RPL7 antibody (ab72550) at 0.04 µg/ml

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

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

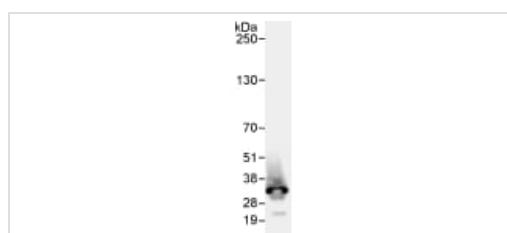
**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

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

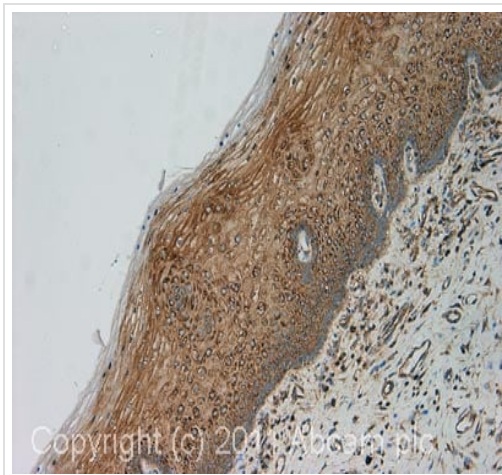
**Predicted band size:** 29 kDa

**Observed band size:** 29 kDa



Immunoprecipitation - Anti-RPL7 antibody (ab72550)

Detection of Human RPL7 by Immunoprecipitation from Whole cell lysate from HeLa cells (1 mg for IP, 20% of IP loaded), using ab72550 at 3 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPL7 antibody (ab72550)

IHC image of ab72550 staining in human normal cervix formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab72550, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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

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