

Product datasheet

Anti-RPC39 antibody ab76951

3 Images

Overview

<b>Product name</b>	Anti-RPC39 antibody
<b>Description</b>	Rabbit polyclonal to RPC39
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human RPC39 (N terminal).
<b>Positive control</b>	Human brain tissue lysate.
<b>General notes</b>	Previously labelled as POLR3F.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab76951** 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		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 36 kDa.
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 2.5 µg/ml.

## Target

### Function

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. May direct RNA Pol III binding to the TFIIIB-DNA complex. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs) induce type I interferon and NF- Kappa-B through the RIG-I pathway.

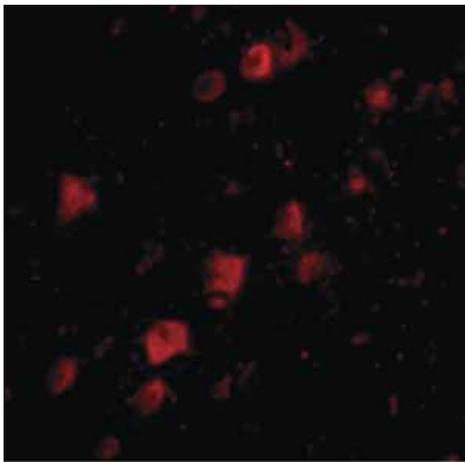
### Sequence similarities

Belongs to the eukaryotic RPC34/RPC39 RNA polymerase subunit family.

### Cellular localization

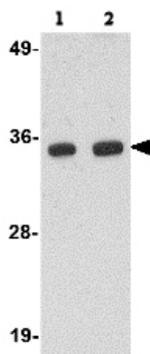
Nucleus.

## Images



Immunofluorescence of RPC39 in Human brain tissue with ab76951 at 20 ug/mL.

Immunocytochemistry/ Immunofluorescence - Anti-RPC39 antibody (ab76951)



**Lane 1** : Anti-RPC39 antibody (ab76951) at 0.5  $\mu$ g/ml

**Lane 2** : Anti-RPC39 antibody (ab76951) at 1  $\mu$ g/ml

**All lanes** : Human brain tissue lysate

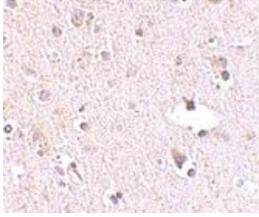
Lysates/proteins at 15  $\mu$ g per lane.

**Predicted band size:** 36 kDa

**Observed band size:** 35 kDa

[why is the actual band size different from the predicted?](#)

Western blot - Anti-RPC39 antibody (ab76951)



ab76951 at 2.5µg/ml staining RPC39 in human brain tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded tissue sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RPC39 antibody (ab76951)

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

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