

Product datasheet

Anti-POLR3F antibody ab76951

[3 Images](#)

Overview

Product name	Anti-POLR3F antibody
Description	Rabbit polyclonal to POLR3F
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic 21 amino acid peptide from near the amino terminus of human POLR3F (CAC111110).
Positive control	Human brain tissue lysate.

Properties

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

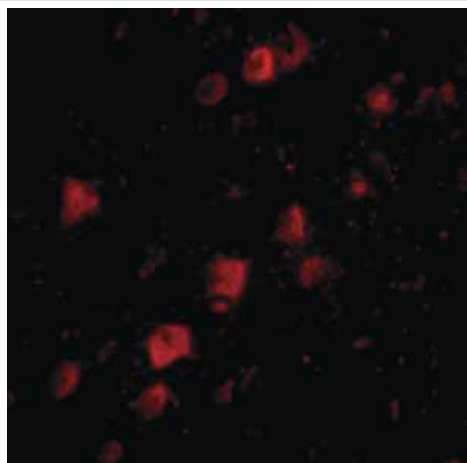
Sequence similarities

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

Cellular localization

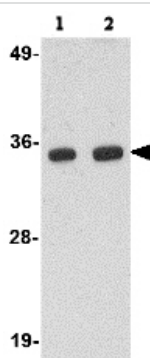
Nucleus.

Images



Immunofluorescence of POLR3F in Human brain tissue with ab76951 at 20 ug/mL.

Immunocytochemistry/ Immunofluorescence - Anti-POLR3F antibody (ab76951)



Lane 1 : Anti-POLR3F antibody (ab76951) at 0.5 µg/ml

Lane 2 : Anti-POLR3F antibody (ab76951) at 1 µg/ml

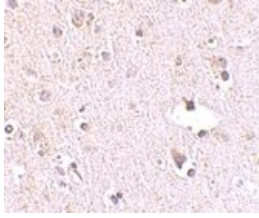
All lanes : Human brain tissue lysate

Lysates/proteins at 15 µg per lane.

Western blot - Anti-POLR3F antibody (ab76951)

Predicted band size: 36 kDa

Observed band size: 35 kDa



ab76951 at 2.5µg/ml staining SOLR3F in human brain tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded tissue sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POLR3F antibody (ab76951)

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