

Guide-it™ Cas9 Polyclonal Antibody

Catalog No.

632607

Amount

100 µl

Lot Number

Specified on product label.

Description

The Guide-it Cas9 Polyclonal Antibody is a rabbit antibody raised against recombinant Cas9 protein from *Streptococcus pyogenes*. This antibody recognizes three variants of the Cas9 nuclease: wild-type Cas9, Cas9 nickase, and Cas9 nuclease-deficient mutants. This antibody can recognize as little as 0.5 ng of recombinant Cas9 by Western blot.

Recommended Applications

- Western blot

Suggested Dilutions

- For Western blotting, we suggest using the antibody at dilution between 1:1,000 and 1:5,000. When analyzing Cas9 protein in cell lysates, load the equivalent of $\leq 20,000$ cells/well; we have obtained signal from as little as 3,500 cells/well.

Package Contents

- 100 µl Cas9 Polyclonal Antibody

Storage Conditions

- Store at -20°C
- Avoid repeated freeze/thaw cycles

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Form

- Polyclonal antibody in antibody dilution buffer (PBS, 20% glycerol, 0.04% NaN_3)

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for Clontech® products are available for download at www.clontech.com/manuals

The following documents apply to this product:

- Antibodies Protocol Guide (PT3407-1)

Clontech Laboratories, Inc.

A Takara Bio Company

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Quality Control Data

The quality and performance of this lot of Cas9 Polyclonal Antibody was tested by Western blot analysis using recombinant Cas9 protein. Five nanograms of recombinant Cas9 was run on a 7.5% SDS-polyacrylamide gel and transferred to a nitrocellulose membrane. The blot was probed with the Cas9 polyclonal antibody (1:2,500 dilution), followed by a secondary goat anti-rabbit antibody conjugated to horseradish peroxidase (HRP). The HRP signal was detected by chemiluminescence. A band at ~160 kDa corresponding to Cas9 was observed in the lane loaded with the recombinant Cas9 protein.

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