

RA | Rubisco activase



Cat. No. APA-LC-016

Lot. No. (See product label)

Product Name

RA | Rubisco activase

Host

Rabbit

Immunogen

Purified, recombinant Rubisco activase from *Gossypium hirsutum* Q9AXG1

Background

RA - Ribulose biphosphate carboxylase/oxygenase activase is an enzyme localized to chloroplasts which activates Rubisco by promoting ATP-dependent conformational changes. Alternative name: RuBisCo activase RCA.

Format

Lyophilized

Clonality

Polyclonal

Purity

Serum

Quantity

50 µl

Reactivity

A. thaliana, *Caesalpinia pulcherrima*, *C. sativa*, *C. reinhardtii*, *H. spontaneum*, *F. pRatensis*, *G. max*, *G. hirsutum*, *G. barbadense*, *L. perenne*, *N. oceanica*, *N. tabacum*, *O. sativa*, *P. balsamifera*, *R. discolor*, *S. lycopersicum*, *Z. mays*, *T. salsuginea*, red sulfur bacterium *T. sp. Cad16* (isolated from Lake Cadagno)

Confirmed reactivity

Arabidopsis thaliana, *Camelina sativa*, *Chlamydomonas reinhardtii*, *Caesalpinia pulcherrima*, *Hordeum spontaneum*, *Festuca pratensis*, *Glycine max*, *Gossypium hirsutum*, *Gossypium barbadense*, *Kalanchoë fedtschenkoi*, *Lolium perenne*, *Nannochloropsis oceanica*, *Nicotiana tabacum*, *Oryza sativa*, *Populus balsamifera*, *Rhoeo discolor*, *Solanum lycopersicum*, *Zea mays*, *Thellungiella salsuginea*, red sulfur bacterium *Thiodictyon sp. Cad16* (isolated from Lake Cadagno)

Predicted reactivity

Glycine max, *Gossypium mexicanum*, *Hordeum vulgare*, *Medicago sativa*, *Olea europea*, *Picea sitchensis*, *Physcomitrium patens*, *Ricinus communis*, *Solanum lycopersicum*, *Spinacia oleracea*, *Triticum aestivum*, *Zea mays*, *Vitis vinifera*

Not reactive in

marine picocyanobacteria

Reconstitution

For reconstitution add 50 µl of sterile water

Expected/apparent MW

47 and 42 kDa (maize, tobacco, *Chlamydomonas*)

Tested applications

Western blot (WB)

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Recommended dilution

1 : 5000-1 : 10 000 (WB)

Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

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