

Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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product **AS07 259A**

RbcS | Rubisco small subunit (SSU) (affinity purified)

product information

Background | Rubisco catalyzes the rate-limiting step of CO₂ fixation in photosynthesis. This enzyme contains two subunits, each present in eight copies. In plants and green algae, 55-kD large subunit is coded by the chloroplast *rbcL* gene, and the 15-kD small subunit is coded by a family of nuclear *RbcS* genes.

Immunogen | KLH-conjugated synthetic peptide derived from all known sequences of RbcS from monocots and dicots including RuBisCO small subunit 1B of *Arabidopsis thaliana* UniProt: [P10796](#), TAIR: [At5g38430](#)

Host | Rabbit

Clonality | Polyclonal

Purity | Affinity purified

Format | Lyophilized in PBS pH 7.4

Quantity | 50 µg

Reconstitution | For reconstitution add 50 µl of sterile water.

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

Tested applications | ELISA (ELISA), Western blot (WB)

Related products | [AS07 259](#) | Anti-RbcS | Rubisco small subunit (SSU), rabbit antibodies (serum)

[AS03 037](#) | Anti-RbcL | Rubisco large subunit, form I and form II (50 µl), rabbit antibodies

[AS03 037A](#) | Anti-RbcL | Rubisco large subunit, form I and form II (50 µg affinity purified), rabbit antibodies

[AS03 037-HRP](#) | Anti-RbcL | Rubisco large subunit, form I and form II (40 µg, HRP-conjugated), rabbit antibodies

[AS15 2955](#) | Anti-RbcL II | Rubisco large subunit, form II (50 µl), rabbit antibodies

[AS15 2955S](#) | RbcL II | Rubisco form II positive control/quantitation standard

[AS01 017](#) | Anti-RbcL | Rubisco large subunit, form I, chicken antibodies

[AS01 017S](#) | Rubisco protein standard for quantitative western blot or positive control

[AS03 037PRE](#) | Rubisco large subunit, pre-immune serum

[AS09 409](#) | Rubisco quantitation kit

[AS15 2994](#) | Rubisco ELISA quantitation kit

[AS07 218](#) | Anti-Rubisco | 557 kDa hexadecamer, rabbit antibody to a whole protein, rabbit antibodies

[matching secondary antibody](#)

Application information

Recommended dilution | 1 : 1000 (WB)

Expected | apparent MW | 20 | 15 kDa

Confirmed reactivity | *Arabidopsis thaliana*, *Cucumis sativus*, *Hordeum vulgare*, *Malus domestica*, *Nicotiana tabacum*

Predicted reactivity | Algae, *Camellia oleifera*, *Erythranthe guttata*, *Flaveria bidentis*, *Flaveria sonorensis*, *Glycine max, L.*, *Marchantia paleacea*, *Nicotiana benthamiana*, *Oryza sativa*, *Petunia hybrida*, *Polianthes tuberosa*, *Populus deltoides*, *Triticum aestivum*, *Solanum melongena*, *Solanum tuberosum*, *Zea mays*

Not reactive in | Cyanobacteria

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||| For applications or usage on species others than stated above Agrisera offers a payment-after-testing option. To learn more about this or for any questions on this product, please use LiveChat option in the left menu or contact us at support@agrisera.com