

Agrisera

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

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Product no **AS06 202**

Cyt c6 | Thylakoid lumen cytochrome c6 protein (algal)

Product information

Background	Cytochrome c6 is known as a redox carrier of the thylakoid lumen of cyanobacteria and some eukaryotic algae that can substitute for plastocyanin in electron transfer. Cytochrome c6 is situated between the two membrane-bound complexes cytochrome b6f and photosystem I (PSI) in oxygenic photosynthesis. Cytochrome c6 (cyt c6) in <i>Chlamydomonas reinhardtii</i> is synthesized only under conditions of copper deficiency when plastocyanin cannot be synthesized.
Immunogen	GST fusion of recombinant <i>Chlamydomonas reinhardtii</i> cytochrome c6 A8J9G6
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 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	Western blot (WB)
Related products	AS06 122 Anti-CRD1 cyanobacterial homolog of plant CHL27 cyclase, marker of thylakoid and envelope membranes, rabbit antibodies AS05 084 Anti-PsbA rabbit antibodies, marker of thylakoid membrane Collection of antibodies to Chlamydomonas proteins
Additional information	Cellular [compartment marker] of thylakoid lumen for <i>Chlamydomonas reinhardtii</i> This product can be sold containing proclin if requested.

Application information

Recommended dilution	1 : 1000 (WB)
Expected apparent MW	15 kDa
Confirmed reactivity	<i>Chlamydomonas reinhardtii</i>
Predicted reactivity	<i>Chlorella vulgaris</i> , <i>Cladophora glomerata</i> , <i>Pediastrum duplex</i> Species of your interest not listed? Contact us
Not reactive in	<i>Arabidopsis thaliana</i>
Additional information	Note: antibody will work better with nitrocellulose than with PVDF membrane. Recommended load per well min. 6 µg. Primary antibody incubation needs to be done over night. For detection image please refer to the reference below For high resolution images, please visit the specific product page at www.agrisera.com
Selected references	Kropat et al. (2015) . Copper economy in Chlamydomonas: Prioritized allocation and reallocation of copper to respiration vs. photosynthesis. Proc Natl Acad Sci U S A. 2015 Feb 2. pii: 201422492. Merchant et al. (1998) Copper-Responsive Gene Expression in Photosynthetic Microorganisms. Methods in

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