

# Agrisera

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

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | [www.agrisera.com](http://www.agrisera.com)

Product no **AS19 4312**

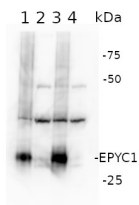
## EPYC1 | Essential Pyrenoid Component 1

### Product information

<b>Immunogen</b>	KLH-conjugated peptide derived from <i>Chlamydomonas reinhardtii</i> EPYC1, C-terminal part UniProt: <a href="#">A0A2K3DA85</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purified serum, in PBS pH 7.4
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µg
<b>Reconstitution</b>	For reconstitution add 50 µl, of sterile water.
<b>Storage</b>	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.

### Application information

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	32 kDa
<b>Confirmed reactivity</b>	<i>Chlamydomonas reinhardtii</i>
<b>Predicted reactivity</b>	<i>Chlamydomonas reinhardtii</i>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	to be added when available, antibody released in January 2021.



#### Samples:

- 1 – 25 µg of *Chlamydomonas reinhardtii* wild-type grown in low light.
  - 2 – 25 µg of *Chlamydomonas reinhardtii* epyc1 mutant grown in low light.
  - 3 – 25 µg of *Chlamydomonas reinhardtii* wild-type incubated 2 hours in high light.
  - 4 – 25 µg of *Chlamydomonas reinhardtii* epyc1 mutant incubated 2 hours in high light.
- Markers: Precision Plus Protein Dual Color from Biorad.

25 µg/well of total protein extracted freshly from *Chlamydomonas reinhardtii* cells with 0.1 mM NaOH + Protease inhibitor cocktail set IV (1:200; 539136, Sigma) and denatured with Sample buffer (1.6 mM EDTA, 1.6% SDS, 40 mM DTT, 8% Glycerol, 0.016% Bromophenol Blue, 333 mM Tris Base) at 70 °C for 5 min, were separated on 12% SDS-PAGE and blotted 1h to nitrocellulose membrane (pore size of 0.2 µm), using semi-dry transfer. Blot was blocked with 5% milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 in TBS-T 5% milk ON/4 °C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, [AS09 602](#)) diluted to 1:25 000 in TBS-T 5% milk for 1h/RT with agitation. The blot was washed as above and developed for 5 min with [Agrisera ECL Bright](#). Exposure time was 10 seconds.

# Agrisera

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

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | [www.agrisera.com](http://www.agrisera.com)

Courtesy of Dr. Justin Findinier, Carnegie Institution for Science, USA