

Product no **AS10 936**  
**CGL78 | YCF54**

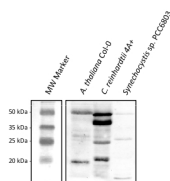
## Product information

<b>Immunogen</b>	recombinant fragment of <i>Arabidopsis thaliana</i> CGL78 UniProt: <a href="#">Q9LVM3</a> , TAIR: <a href="#">At5g58250</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µl
<b>Reconstitution</b>	For reconstitution add 200 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 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.
<b>Additional information</b>	Currently this antibody has not been confirmed to detect CGL78 protein in <i>Arabidopsis thaliana</i> . If you are interested to use this antibody in <i>Arabidopsis</i> , please, <a href="#">contact us</a> .

## Application information

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	24 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Chlamydomonas reinhardtii</i> , <i>Synechocystis</i> sp. PCC 6803
<b>Predicted reactivity</b>	Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Hordeum vulgare</i>
<b>Additional information</b>	Please, omit SDS from transfer buffer and reduce transfer time to 45 min, Nitrocellulose membrane is recommended and SDS is omitted to allow this LMW protein to bind tighter to the membrane
<b>Selected references</b>	<a href="#">Hsieh et al. (2013)</a> . The Proteome of Copper, Iron, Zinc, and Manganese Micronutrient Deficiency in <i>Chlamydomonas reinhardtii</i> . Mol Cell Proteomics. 2013 Jan;12(1):65-86. doi: 10.1074/mcp.M112.021840. Epub 2012 Oct 13.

### Application information



15 µg of total protein from *Arabidopsis thaliana* (ecotype Col-0), *Chlamydomonas reinhardtii* (strain 4A+) and *Synechocystis* sp. (strain PCC6803 / Kazusa), extracted with 56 mM Na<sub>2</sub>CO<sub>3</sub>, 56 mM DTT, 1 % (w/v) SDS, 12 % (w/v) Sucrose, 2 mM EDTA were separated on 15% SDS-PAGE and blotted 1h to nitrocellulose membrane. Blot was blocked with 2% milk powder in TBS-T for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1:1000 for 1h at RT 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 secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:20 000 in 1% milk powder in TBS for 1h at RT with agitation. The blot was washed as above and developed for 5 min with chemiluminescent detection reagent according to the manufacturers instructions. Exposure time was 3 minutes.

Courtesy of Dr. Annabel Salinas Hartwig, Humboldt University, Germany