

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

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Product no AS10 936 CGL78 | YCF54

## **Product information**

Immunogen recombinant fragment of Arabidopsis thaliana CGL78 UniProt: Q9LVM3 TAIR: At5q58250

**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 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.

Additional information Currently this antibody has not been confirmed to detect CGL78 protein in *Arabidopsis thaliana*. If you are interested to

use this antibody in Arabidopsis, please, contact us.

## **Application information**

Recommended dilution 1:1000 (WB)

Expected | apparent 24 kDa

IW 24 KL

Confirmed reactivity Arabidopsis thaliana, Chlamydomonas reinhardtii, Synechocystis sp. PCC 6803

Predicted reactivity Species of your interest not listed? Contact us

Not reactive in | Hordeum vulgare

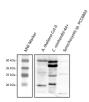
Additional information Please, omitt SDS from transfer buffer and reduce transfer time to 45 min, Nitrocellulose membrane is recommended

and SDS is omitted to allow this LMW protein to bind tighter to the membrane

Selected references Hsieh et al. (2013). The Proteome of Copper, Iron, Zinc, and Manganese Micronutrient Deficiency in Chlamydomonas

reinhardtii. 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 Na2CO3, 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