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Product no AS10 936

CGL78 | YCF54

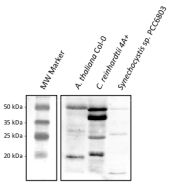
Product information

Immunogen	recombinant fragment of *Arabidopsis thaliana* CGL78 UniProt: Q9LVM3 TAIR: At5g58250
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 MW	24 kDa
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