

Anti-YCF3 antibody

Catalog: PHY3263A

Product Information

Description: Rabbit polyclonal antibody

Background: YCF3 is essential for the assembly of the photosystem I (PSI) complex. In

Chlamydomonas reinhardtii, it seems to act as a PSI specific chaperone

facilitating the assembly of the complex by interacting with PsaA and PsaD.

Synonyms: YCF3

Immunogen: KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from

Arabidopsis thaliana YCF3 (ATCG00360).

Form: Lyophilized

Quantity: 150 μg

Purification: Immunogen affinity purified

Reconstitution: Reconstitution with 150 µl of 0.01 M sterile PBS.

"Note: please spin tube briefly prior to opening it to avoid any losses that might

occur from lyophilized material adhering to the cap or sides of the tube".

Stability &Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Storage: 12 months from date of receipt, -20 to -70°C as supplied.

6 months, -20 to -70°C under sterile conditions after reconstitution.

1 month, 2 to 8°C under sterile conditions after reconstitution.

Shipping: The product is shipped at 4°C. Upon receipt, store it immediately at the

temperature recommended above.

Application Information

Recommended Dilution: Western Blot (1:1000-1:2000)

Note: Optimal dilutions/concentrations should be determined by the

end user.

Expected / apparent MW: 15 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used

for immunization is 80-99% homologues with the sequence in Solanum lycopersicum, Nicotiana tabacum, Solanum tuberosum, Physcomitrium patens, Cucumis sativus, Glycine max, Medicago

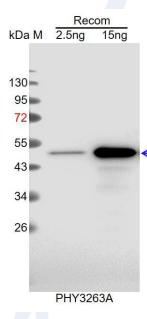
truncatula, Vitis vinifera, Gossypium raimondii, Populus trichocarpa,



Spinacia oleracea, Brassica napus, Triticum aestivum, Panicum virgatum, Oryza sativa, Zea mays, Hordeum vulgare.

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 2.5 ng and 15 ng recombinant protein containing the peptide for immunization and having a molecular mass of 50 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L

(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured

with CCD camera.