

Anti-CFol subunits of chloroplast ATP synthase antibody

Catalog: PHY0316

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | Chloroplast ATP synthase consists of two structural domains, CF ₀ and CF ₁ . CF ₁ contains the extramembraneous catalytic core and CF ₀ contains the membrane proton channel. Two domains are linked together by a central stalk and a peripheral stalk. ATP synthase subunit b is a subunit of the peripheral stalk. |
| Synonyms: | AtpF, ATP synthase F(0) sector subunit b, CF ₀ l |
| Immunogen: | Recombinant, full length ATP synthase subunit b, chloroplastic Protein of <i>Arabidopsis thaliana</i> ATCG00130. |
| Form: | Lyophilized |
| Quantity: | 150 µg |
| Purification: | Protein A 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 & Storage: | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 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

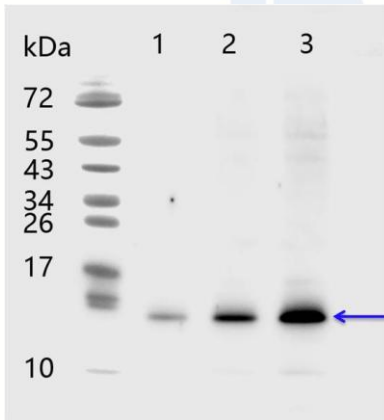
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| Recommended Dilution: | Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user. |
| Expected/apparent MW: | 21 / 15 kDa |
| Confirmed Reactivity: | <i>Arabidopsis thaliana</i> |

Research Use Only

Predicted Reactivity:

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

Application Example



1-3 is thylakoid membrane protein from *Arabidopsis thaliana* leaf containing 0.1 µg, 0.25 µg, and 0.5 µg of chlorophyll, respectively.

Electrophoresis: 15% SDS-Urea-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: 1:20000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.