

Anti-Peptidyl-prolyl cis-trans isomerase FKBP16-4, chloroplastic, C-terminal antibody

Catalog: PHY2773A

Product Information

Description:	Rabbit polyclonal antibody
Background:	AT3G10060
Synonyms:	AT3G10060, Peptidyl-prolyl cis-trans isomerase FKBP16-4, chloroplastic, PPIase FKBP16-4, FK506-binding protein 16-4, AtFKBP16-4, Immunophilin FKBP16-4, Rotamase, FKBP16-4, FKBP24-2
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> AT3G10060.
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 & 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

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	25 / 16 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in <i>Brassica</i>

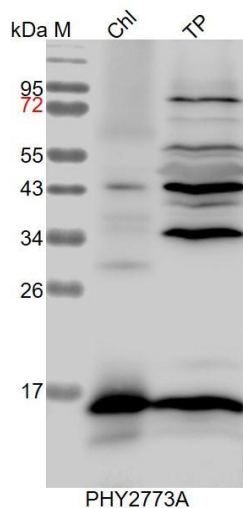
Research Use Only

napus, Brassica rapa, Triticum aestivum, Panicum virgatum, Oryza sativa, Gossypium raimondii, Nicotiana tabacum, Solanum tuberosum, Solanum lycopersicum, Sorghum bicolor, Hordeum vulgare, Zea mays, Setaria viridis, and 80-99% homologues with the sequence in Physcomitrium patens, Vitis vinifera, Glycine max, Cucumis sativus, Spinacia oleracea, Populus trichocarpa, Medicago truncatula.

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

Application Example

Example1:



Chl: 7.5 µg total chloroplast protein from *Arabidopsis thaliana*.

TP: 30 µg total protein from *Arabidopsis thaliana*.

Electrophoresis: 15% SDS-PAGE

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

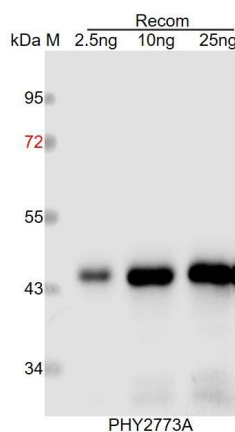
Blocking: 5% skim milk at RT or 4°C for 2 h.

Primary antibody: 1:2000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgGH&L(HRP) (Cat# PHY6000).

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

Example2:



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 45 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.