

Anti-CP47 subunit of Photosystem II antibody

Catalog: PHY0319

Product Information

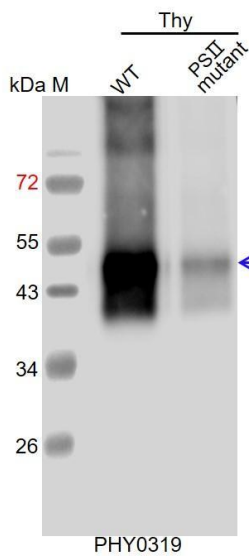
Description:	Rabbit polyclonal antibody
Background:	CP47 is one of the components of the core complex of photosystem II (PSII). It binds chlorophyll and helps catalyze the primary light-induced photochemical processes of PSII. CP47 is encoded by ATCG00680.
Synonyms:	PsbB, CP47
Immunogen:	Recombinant protein of PsbB (257-450 aa) derived from <i>Arabidopsis thaliana</i> ATCG00680.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Protein A purified
Reconstitution:	Reconstitution with 150µl of 0.01M 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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	56 / 47 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com .

Application Example

Research Use Only



Thy-WT: thylakoid membrane protein from *Arabidopsis thaliana* containing 0.1 μg , of chlorophyll.

Thy-PS II : thylakoid membrane protein from an *Arabidopsis* mutant with low accumulation of PS II containing 0.1 μg of chlorophyll.

Electrophoresis: 15% 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: 1:5000 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.