

Anti-APE1 antibody

Catalog: PHY5112S

Product Information

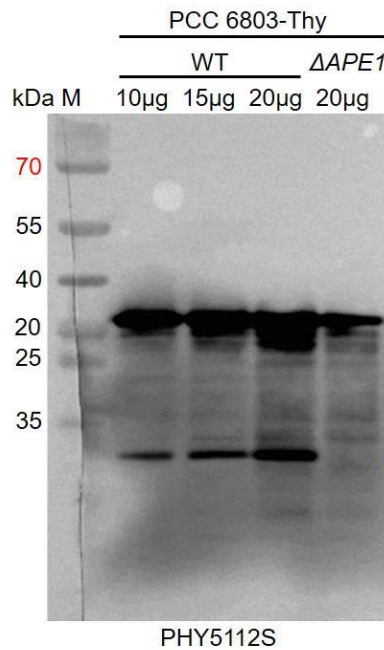
Description:	Rabbit polyclonal antibody
Background:	APE1 is encoded by the <i>slr0575</i> in <i>Synechocystis sp.</i> PCC 6803, homolog of APE1 in <i>Arabidopsis thaliana</i> is encoded by the gene <i>AT5G38660</i> .
Synonyms:	APE1
Immunogen:	Recombinant protein of APE1 (52-184aa) derived from <i>Synechocystis sp.</i> PCC 6803 (slr0575).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
Reconstitution:	Reconstitution with 150 µl of sterile water. "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:	20.4 / 18 kDa
Confirmed Reactivity:	<i>Synechocystis sp.</i> PCC 6803
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com .

Research Use Only

Application Example



WT is the thylakoid membrane protein of WT from *Synechocystis* sp. PCC 6803 cells containing 10 μg, 15 μg, and 20 μg of protein, respectively.

ΔAPE1 is the thylakoid membrane protein of ΔAPE1 from *Synechocystis* sp. PCC 6803 cells containing 20 μg of protein.

Electrophoresis: 12% SDS-Urea-PAGE.

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

Blocking: 5% skim milk at RT for 1h.

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

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

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