

Anti-Carboxyl-terminal-processing peptidase 2, chloroplastic antibody

Catalog: PHY2247S

Product Information

Description:	Rabbit polyclonal antibody
Background:	CTPA2 is involved in the C-terminal processing of the chloroplastic D1 protein of photosystem II. This proteolytic processing is necessary to allow the light-driven assembly of the tetranuclear manganese cluster, which is responsible for photosynthetic water oxidation.
Synonyms:	CTPA2
Immunogen:	Recombinant protein of CTPA2 (86-515 aa) derived from <i>Arabidopsis thaliana</i> AT4G17740.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
Reconstitution:	Reconstitution with 150µl 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.

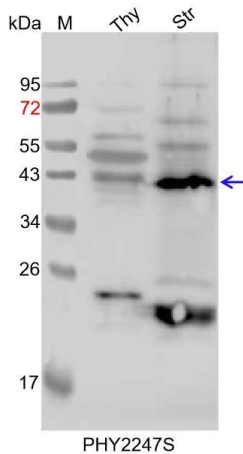
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	56 / 43 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	For more species homologues information, please contact tech

Research Use Only

support at tech@phytoab.com.

Application Example



Thy: thylakoid membrane protein from *Arabidopsis thaliana* containing 5 μ g of chlorophyll.

Str: 12 μ g stromal 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 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.