Anti-Protease Do-like 1, chloroplastic, C-terminal antibody

Catalog: PHY7962S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Deg1 is a nuclear gene encoding chloroplast-targeted protease that can degrade two lumenal proteins, plastocyanin and OE33, suggesting a role as a general-purpose protease in the thylakoid lumen. It is involved in the degradation of D1 protein of PS II, hence participating in the repair of PS II damages caused by photoinhibition.
Synonyms:	DEG1, Deg1, DEGP PROTEASE 1, DEGP1, DEGRADATION OF PERIPLASMIC PROTEINS 1
Immunogen:	KLH-conjugated synthetic peptide (19 aa from C terminal section) derived from *Arabidopsis thaliana* DEG1 (AT3G27925).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	47 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Brassica rapa*, *Setaria viridis*, *Glycine max*, *Panicum virgatum*, *Oryza sativa*, *Cucumis sativus*, *Zea mays*, *Sorghum bicolor*.

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