

Anti-Chloroplastic DegP-type serine protease 2 antibody

Catalog: PHY0204S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Plant Deg2 protease is a homologue of prokaryotic DegQ/DegP proteases and is located in the chloroplast stroma, where its proteolytic activity is required to maintain the efficiency of photosynthetic machinery during stress.
Synonyms:	DEG2, DEGP PROTEASE 2, DEGP2, DEGRADATION OF PERIPLASMIC PROTEINS 2, EMB3117, EMBRYO DEFECTIVE 3117
Immunogen:	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> DEG2 (AT2G47940).
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°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:	67 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica</i>

Research Use Only

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

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