

Anti-CrpetD antibody

Catalog: PHY5731S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PetD is a 160-aa chloroplast protein in <i>Chlamydomonas reinhardtii</i> . It mediates electron transfer between PSII and PSI for photosynthetic light reactions.
Synonyms:	PetD, petD, CrpetD, PETD, PHOTOSYNTHETIC ELECTRON TRANSFER D, cytochrome b6f complex subunit IV /subunit 4
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Chlamydomonas reinhardtii</i> PetD (CreCp.g802264_4532).
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:	17.4 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Volvox carteri f. nagariensis</i> , and 93% homologues with the sequence in

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Arabidopsis thaliana, Brassica napus, Cucumis sativus, Glycine max, Hordeum vulgare, Nicotiana tabacum, Oryza sativa, Panicum virgatum, Populus trichocarpa, Setaria viridis, Solanum lycopersicum, Solanum tuberosum, Sorghum bicolor, Spinacia oleracea, Synechocystis sp. PCC 6803, Triticum aestivum, Vitis vinifera, Zea mays.

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