

Anti-PsbZ antibody

Catalog: PHY0126A

Product Information

Description:	Rabbit polyclonal antibody
Background:	PsbZ is a chloroplast-encoded subunit of Photosystem II. It localizes to the chloroplast thylakoid membrane. PsbZ controls the interaction between the PSII core and the light-harvesting antenna, stabilizing the supercomplex and regulating electron flow.
Synonyms:	PsbZ, YCF9
Immunogen:	KLH-conjugated synthetic peptide (13 aa from central section) derived from <i>Arabidopsis thaliana</i> PsbZ (ATCG00300).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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:	7 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica rapa</i> , <i>Brassica napus</i> , <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> ,

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Medicago truncatula, and 92% homologues with the sequence in *Vitis vinifera*, *Spinacia oleracea*, *Zea mays*, *Triticum aestivum*, *Populus trichocarpa*, *Panicum virgatum*, *Oryza sativa*, *Hordeum vulgare*, *Cucumis sativus*.

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