Anti-Os01g0188400 / OschlME antibody

Catalog: PHY4130S

Product Information

Description:	Rabbit polyclonal antibody
Background:	OschlME is a key photosynthetic enzyme in C4 and CAM plants. It catalyzes the decarboxylation of malate to produce CO_2, pyruvate, and NADPH, concentrating CO_2 for Rubisco and enhancing photosynthetic efficiency under stress conditions.
Synonyms:	NADP-ME1, OschlME, NADP-ME, ME6, chlME, XcrMal1
Immunogen:	KLH-conjugated synthetic peptide (18 aa from central section) derived from *Oryza sativa* OschlME (Os01g0188400).
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:	70 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Medicago*

truncatula, and 88-94% homologues with the sequence in *Sorghum bicolor, Panicum virgatum, Setaria viridis, Gossypium raimondii, Triticum aestivum, Zea mays, Glycine max, Solanum tuberosum, Solanum lycopersicum, Populus trichocarpa, Arabidopsis thaliana, Brassica napus, Brassica rapa, Cucumis sativus, Nicotiana tabacum.* For more species homologues information, please contact tech support at tech@phytoab.com.