Anti-Malate dehydrogenase, chloroplastic antibody

Catalog: PHY7298S

Product Information

Description:	Rabbit polyclonal antibody
Background:	pdNAD-MDH is a protein with NAD-dependent malate dehydrogenase activity, located in chloroplasts. pdNAD-MDH has a crucial function for chloroplast establishment.
Synonyms:	MDH, PNAD-MDH, MALATE DEHYDROGENASE, PLASTIDIC NAD-DEPENDENT MALATE DEHYDROGENASE
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Arabidopsis thaliana* MDH (AT3G47520).
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:	42 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays*, 80-99% homologues with the sequence in *Brassica rapa*,

Brassica napus, *Glycine max*, *Oryza sativa*, *Hordeum vulgare*, *Triticum aestivum*, *Solanum tuberosum*, *Solanum lycopersicum*, *Cucumis sativus*, *Panicum virgatum*, *Setaria viridis*, *Sorghum bicolor*, *Gossypium raimondii*.

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