

Anti-MDH antibody

Catalog: PHY7298A

Product Information

Description:	Rabbit polyclonal antibody
Background:	MDH/pNAD-MDH is a chloroplast-localized enzyme with NAD-dependent malate dehydrogenase activity. It catalyzes the reversible conversion of malate to oxaloacetate and plays a key role in the metabolism of dark chloroplasts and non-green plastids.
Synonyms:	MDH, PNAD-MDH, MALATE DEHYDROGENASE, PLASTIDIC NAD-DEPENDENT MALATE DEHYDROGENASE
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> MDH (AT3G47520).
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:	42 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Zea mays</i> ,

Research Use Only

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.