

Anti-Malate dehydrogenase 1, cytoplasmic antibody

Catalog: PHY2306S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Malate dehydrogenase (MDH) catalyzes a reversible NAD(+)-dependent-dehydrogenase reaction involved in central metabolism and redox homeostasis between organelle compartments.
Synonyms:	C-NAD-MDH1, CYTOSOLIC-NAD-DEPENDENT MALATE DEHYDROGENASE 1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> C-NAD-MDH1 (AT1G04410).
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

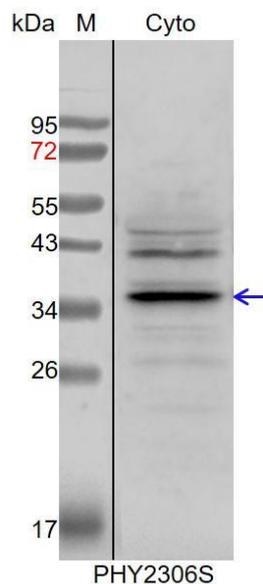
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	36 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in

Research Use Only

Brassica rapa, *Brassica napus*, *Medicago truncatula*, *Zea mays*,
Sorghum bicolor, *Glycine max*, *Cucumis sativus*, *Vitis vinifera*,
Solanum tuberosum, *Populus trichocarpa*, *Nicotiana tabacum*,
Solanum lycopersicum, *Panicum virgatum*, *Triticum aestivum*,
Hordeum vulgare, *Setaria viridis*, *Oryza sativa*, *Physcomitrium*
patens.

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

Application Example



Cyto: 10 µg cytosolic protein from *Arabidopsis thaliana*.

Electrophoresis: 15% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.