

Anti-Isocitrate dehydrogenase [NAD] regulatory subunit 2, mitochondrial, N-terminal antibody

Catalog: PHY0040S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Isocitrate dehydrogenases (IDH) catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD ⁺ as the electron acceptor and the other NADP ⁺ . Five isocitrate dehydrogenases have been reported: three NAD ⁺ -dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP ⁺ -dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP ⁺ -dependent isozyme is a homodimer.
Synonyms:	IDH2, IDH-II, ISOCITRATE DEHYDROGENASE SUBUNIT 2, ISOCITRATE DEHYDROGENASE II
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> IDH2 (AT2G17130).
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)

Research Use Only

Note: Optimal dilutions/concentrations should be determined by the end user.

Expected/apparent MW: 40 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Brassica rapa*.

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