

Anti-Aconitase 1 antibody

Catalog: PHY0196A

Product Information

Description:	Rabbit polyclonal antibody
Background:	In plants, Aconitase catalyses the reversible isomerisation of citrate to isocitrate in mitochondria and the cytosol as parts of the TCA cycle and glyoxylate cycle, respectively. There are three proteins in Arabidopsis ACO1 (AT4G35830), ACO2 (AT4G26970) and ACO3 (AT2G05710).
Synonyms:	ACO1, ACONITASE 1
Immunogen:	KLH-conjugated synthetic peptide(14 aa from Central section) derived from <i>Arabidopsis thaliana</i> ACO1 (AT4G35830).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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:	98 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Vitis vinifera</i> , <i>Spinacia oleracea</i> , <i>Zea mays</i> , <i>Populus trichocarpa</i> , <i>Solanum tuberosum</i> , <i>Nicotiana tabacum</i> ,

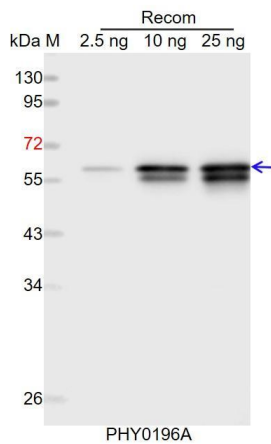
Research Use Only

Sorghum bicolor, *Solanum lycopersicum*, *Gossypium raimondii*,
Cucumis sativus, *Medicago truncatula*, *Glycine max*.

The sequence of the synthetic peptide used for immunization is 93% (13/14) homologues with the sequence in ACO2 (AT4G26970) and ACO3 (AT2G05710).

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 60 kDa.

Electrophoresis: 12% 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.