

Anti-Citrate synthase 2, peroxisomal antibody

Catalog: PHY1523S

Product Information

Description:	Rabbit polyclonal antibody
Background:	CSY is required for the fatty acid respiration in seedlings, citrate being exported from peroxisomes into mitochondria during respiration of triacylglycerol (TAG). And CSY is also a key enzyme of the glyoxylate cycle. In Arabidopsis, CSY protein is including CSY1 (AT3G58740), CSY2 (AT3G58750) and CSY3 (AT2G42790).
Synonyms:	CSY2, CITRATE SYNTHASE 2
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> CSY2 (AT3G58750).
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:	57 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>

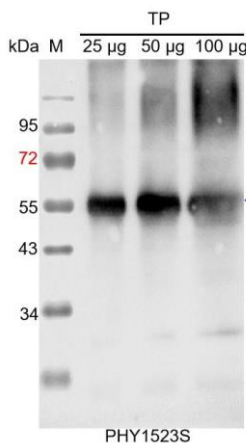
Research Use Only

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.

Application Example



TP: 25 µg, 50 µg and 100 µg total protein from *Arabidopsis thaliana*, respectively.

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.