

# Anti-Isocitrate lyase antibody

Catalog: PHY1307A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Isocitrate lyase (ICL, AT3G21720), is an enzyme in the glyoxylate cycle that catalyzes the cleavage of isocitrate to succinate and glyoxylate. It is a peroxisomal glyoxylate cycle enzyme necessary for early seedling development.
<b>Synonyms:</b>	ICL, ISOCITRATE LYASE
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ICL (AT3G21720).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitute with 150 µL of sterile 1×PBS (pH 7.4) containing 30–40% glycerol. If glycerol is incompatible with your applications, use 1×PBS alone and use the reconstituted antibody promptly.  "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".
<b>Stability &amp; Storage:</b>	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.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	64 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in

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*Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Vitis vinifera*, *Populus trichocarpa*, *Cucumis sativus*, *Gossypium raimondii*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Spinacia oleracea*, *Oryza sativa*, *Triticum aestivum*, *Zea mays*, *Hordeum vulgare*, *Sorghum bicolor*, *Glycine max*, *Panicum virgatum*, *Setaria viridis*, *Physcomitrium patens*, *Medicago truncatula*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).