

Anti-Isocitrate lyase antibody

Catalog: PHY1307S

Product Information

Description:	Rabbit polyclonal antibody
Background:	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.
Synonyms:	ICL, ISOCITRATE LYASE
Immunogen:	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ICL (AT3G21720).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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:	64 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> , and 80-99% homologues with the sequence in

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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.