

# Anti-Pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic antibody

Catalog: PHY7313S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	PDH-E1 ALPHA
<b>Synonyms:</b>	PDH-E1 ALPHA, PYRUVATE DEHYDROGENASE E1 ALPHA
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PDH-E1 ALPHA (AT1G01090).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum  Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	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".
<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>	47 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Triticum aestivum</i> , <i>Brassica rapa</i> , <i>Solanum tuberosum</i> , <i>Brassica napus</i> , <i>Physcomitrium patens</i> , <i>Gossypium raimondii</i> , <i>Hordeum</i>

Research Use Only

*vulgare*, *Chlamydomonas reinhardtii*, *Glycine max*, *Populus trichocarpa*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Spinacia oleracea*, *Vitis vinifera*, *Sorghum bicolor*, *Setaria viridis*, *Panicum virgatum*, *Zea mays*, *Cucumis sativus*, *Medicago truncatula*, *Oryza sativa*, *Synechococcus elongatus* PCC 7942, *Synechocystis* sp. PCC 6803.

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