

# Anti-Glutamate dehydrogenase antibody

Catalog: PHY0998S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	In higher plants, NAD(H)-glutamate dehydrogenase (GDH; EC 1.4.1.2) is an abundant enzyme that exists in different isoenzymic forms. In <i>Arabidopsis thaliana</i> , three genes ( <i>Gdh1</i> , <i>Gdh2</i> and <i>Gdh3</i> ) encode three different GDH subunits ( $\beta$ (AT5G0744), $\alpha$ (AT5G18170) and $\gamma$ (AT3G03910)) that randomly associate to form a complex array of homo- and heterohexamers.
<b>Synonyms:</b>	GDH1/2/3, GLUTAMATE DEHYDROGENASE 1/2/3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> GDH1 (AT5G18170), GDH2 (AT5G07440) and GDH3 (AT3G03910).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu$ g
<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 $\mu$ l 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;</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
<b>Storage:</b>	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>	45 kDa

Research Use Only

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in *Brassica napus*, *Brassica rapa*, *Glycine max*, *Medicago truncatula*, *Vitis vinifera*, *Triticum aestivum*, *Oryza sativa*, *Nicotiana tabacum*, *Panicum virgatum*, *Solanum lycopersicum*, *Zea mays*, *Populus trichocarpa*, *Hordeum vulgare*, *Sorghum bicolor*, *Cucumis sativus*, *Solanum tuberosum*, *Setaria viridis*.

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