

# Anti-GLYR1 antibody

Catalog: PHY8116S

## Product Information

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| <b>Description:</b>             | Rabbit polyclonal antibody  |
| <b>Background:</b>              | GLYR1 is a cytosolic glyoxylate reductase that functions in the glyoxylate and dicarboxylate metabolism pathways. It utilizes NADPH to reduce glyoxylate and contributes to plant responses against oxidative stress.   |
| <b>Synonyms:</b>                | GLYR1 (GLYOXYLATE REDUCTASE 1), GR1 (GLYOXYLATE REDUCTASE 1), ATGHBDH, ATGLYR1, GHBDH   |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (15 aa from C-terminal section) derived from <i>Arabidopsis thaliana</i> GLYR1 (AT3G25530).  |
| <b>Form:</b>                    | Lyophilized   |
| <b>Quantity:</b>                | 150 µg  |
| <b>Purification:</b>            | Serum   |
| <b>Reconstitution:</b>          | Reconstitution with 150 µl of sterile 1XPBS (PH=7.4).<br>"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.<br>12 months from date of receipt, -20 to -70°C as supplied.<br>6 months, -20 to -70°C under sterile conditions after reconstitution.<br>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

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| <b>Recommended Dilution:</b>   | Western Blot (1:1000-1:2000)<br>Note: Optimal dilutions/concentrations should be determined by the end user.   |
| <b>Expected / apparent MW:</b> | 31 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>Vitis vinifera</i> , <i>Zea mays</i> , <i>Chlamydomonas reinhardtii</i> , <i>Panicum virgatum</i> , |

Research Use Only

*Triticum aestivum, Brassica rapa, Brassica napus, Sorghum bicolor, Gossypium raimondii, Setaria viridis, Oryza sativa, Panicum virgatum, Nicotiana tabacum, Hordeum vulgare, Spinacia oleracea, Glycine max, Solanum lycopersicum, Populus trichocarpa, Medicago truncatula, Physcomitrium patens.*

The sequence of the synthetic peptide used for immunization is 93% (13/14) homologues with the sequence in GLYR2 (AT1G17650). For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).