

# Anti-Tubulin gamma-1 / 2 chain, N-terminal antibody

Catalog: PHY7282S

## Product Information

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|---------------------------------|---|
| <b>Description:</b>             | Rabbit polyclonal antibody  |
| <b>Background:</b>              | $\gamma$ -Tubulin is a highly conserved member of the tubulin superfamily that is located on the minus end of microtubules in microtubule organizing centers, where such structures are present in the cell.  |
| <b>Synonyms:</b>                | $\gamma$ -tubulin 1/2, GAMMA-TUBULIN, TUBG1/2, ARABIDOPSIS THALIANA GAMMA-TUBULIN COMPLEX PROTEIN 1/2, ATGCP1/2, GAMMA-TUBULIN COMPLEX PROTEIN 1/2, GAMMA-TUBULIN 1/2, GCP1/2   |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> $\gamma$ -tubulin 1 (AT3G61650) and $\gamma$ -tubulin 2 (AT5G05620).  |
| <b>Form:</b>                    | Lyophilized   |
| <b>Quantity:</b>                | 150 $\mu$ g   |
| <b>Purification:</b>            | Serum<br>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.<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> | 53 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>Zea</i> |

Research Use Only

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

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