

# Anti-Ribonuclease 2 antibody

Catalog: PHY0972A

## Product Information

|                                 |                                                                                                                                                                                                                                                                               |
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| <b>Description:</b>             | Rabbit polyclonal antibody                                                                                                                                                                                                                                                    |
| <b>Background:</b>              | RNS2 is the main endoribonuclease activity in plant cells and localizes to the endoplasmic reticulum (ER), ER-derived structures, and vacuoles. It is essential for normal ribosomal RNA recycling.                                                                           |
| <b>Synonyms:</b>                | RNS2, RIBONUCLEASE 2                                                                                                                                                                                                                                                          |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> RNS2 (AT2G39780).                                                                                                                                                      |
| <b>Form:</b>                    | Lyophilized                                                                                                                                                                                                                                                                   |
| <b>Quantity:</b>                | 150 µg                                                                                                                                                                                                                                                                        |
| <b>Purification:</b>            | Immunogen affinity purified                                                                                                                                                                                                                                                   |
| <b>Reconstitution:</b>          | Reconstitution with 150 µl of sterile 1×PBS (PH=7.4) containing 30% glycerol.<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> | 29 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Predicted Reactivity:</b>   | Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> .<br>For more species homologues information, please contact tech support at <a href="mailto:tech@phytoab.com">tech@phytoab.com</a> . |

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