

# Anti-26S proteasome regulatory subunit 4 homolog A antibody

Catalog: PHY2462A

## Product Information

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|---------------------------------|--|
| <b>Description:</b>             | Rabbit polyclonal antibody   |
| <b>Background:</b>              | RPT2A interacts with transit peptides of proteins targeted to the chloroplast, and may be involved in the degradation of unimported plastid protein precursors. It is required for the maintenance of postembryonic root and shoot meristems. And it acts redundantly with RPT2B in the regulation of gametogenesis. |
| <b>Synonyms:</b>                | RPT2A, 26S proteasome AAA-ATPase subunit RPT2a, 26S proteasome subunit 4 homolog A   |
| <b>Immunogen:</b>               | KLH-conjugated synthetic peptide (18 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> RPT2A (AT4G29040).   |
| <b>Form:</b>                    | Lyophilized  |
| <b>Quantity:</b>                | 150 µg   |
| <b>Purification:</b>            | Immunogen affinity purified  |
| <b>Reconstitution:</b>          | Reconstitution with 150 µl of 0.01 M sterile PBS.<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> | 49 kDa   |

Research Use Only

**Confirmed Reactivity:**

Coming soon

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays*, *Vitis vinifera*, *Setaria viridis*, *Panicum virgatum*, *Nicotiana tabacum*, *Oryza sativa*, *Triticum aestivum*, *Cucumis sativus*, *Populus trichocarpa*, *Glycine max*, *Gossypium raimondii*, *Physcomitrium patens*, *Spinacia oleracea*, *Medicago truncatula*, and 80-99% homologues with the sequence in *Hordeum vulgare*.

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