

# Anti-26S proteasome non-ATPase regulatory subunit 2 homolog A/B antibody

Catalog: PHY2594S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The 26S proteasome plays a central role in the degradation of regulatory proteins involved in a variety of developmental processes. It consists of two multisubunit protein complexes: the proteolytic core protease and the regulatory particle (RP). The RPN1 subunit belongs to the base complex of the RP and is known to physically interact with two proteins carrying ubiquitin-like domains, Rad23 and Dsk2.
<b>Synonyms:</b>	RPN1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide of RPN1 derived from <i>Arabidopsis thaliana</i> AT2G20580, AT4G28470.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<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 µl 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; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
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Research Use Only

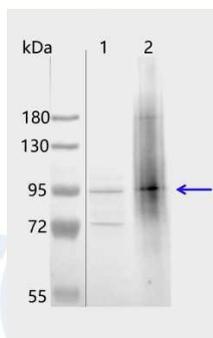
**Expected/apparent MW:** 98 / 95 kDa

**Confirmed Reactivity:** *Arabidopsis thaliana*

**Predicted Reactivity:** Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays*, *Brassica rapa*, *Vitis vinifera*, *Oryza sativa Japonica Group*, *Nicotiana tabacum*, *Hordeum vulgare*, *Solanum tuberosum*, *Solanum lycopersicum*, *Cucumis sativus*, *Spinacia oleracea*, *Sorghum bicolor*, *Brassica napus*, *Setaria viridis*, *Populus trichocarpa*, *Medicago truncatula*, *Glycine max*, and 80-99% homologues with the sequence in *Gossypium raimondii*.

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

## Application Example



Lane 1: 10  $\mu$ l cytosolic protein from *Arabidopsis thaliana* leaf.

Lane 2: 6  $\mu$ g nuclear protein from *Arabidopsis thaliana*.

**Electrophoresis:** 10% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:5000 dilution overnight at 4°C.

**PHY2594S** **Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.