

# Anti-Disease resistance protein RPS2 antibody

Catalog: PHY0925A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	RPS2 is a plasma membrane protein with leucine-rich repeat, leucine zipper, and P loop domains that confers resistance to <i>Pseudomonas syringae</i> infection by interacting with the avirulence gene <i>avrRpt2</i> . RPS2 protein interacts directly with plasma membrane associated protein RIN4 and this interaction is disrupted by <i>avrRpt2</i> .
<b>Synonyms:</b>	RPS2, RESISTANT TO P. SYRINGAE 2
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> RPS2 (AT4G26090).
<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. "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 (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	105 kDa
<b>Confirmed Reactivity:</b>	Coming soon
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used

Research Use Only

for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

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