

# Anti-HYPERSENSITIVE INDUCED REACTION 1 antibody

Catalog: PHY1519A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	AtHIR1 acts as a scaffold for organizing mem-brane microdomains and recruits plant immune-related proteins such as H <sup>+</sup> -ATPase 2 (AHA2) to form a large complex upon pathogen perception.
<b>Synonyms:</b>	HIR1, ATHIR1, HYPERSENSITIVE INDUCED REACTION 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> HIR1 (AT1G69840).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150µl of 0.01M 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>	31 kDa
<b>Confirmed Reactivity:</b>	Coming soon
<b>Predicted Reactivity:</b>	Among species analyzed the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> , and 80-99% homologues with the sequence

Research Use Only

in *Gossypium raimondii*, *Medicago truncatula*, *Spinacia oleracea*, *Vitis vinifera*, *Sorghum bicolor*.

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