

Anti-HYPERSENSITIVE INDUCED REACTION 1 antibody

Catalog: PHY1519A

Product Information

Description:	Rabbit polyclonal antibody
Background:	AtHIR1 acts as a scaffold for organizing membrane microdomains and recruits plant immune-related proteins such as H ⁺ -ATPase 2 (AHA2) to form a large complex upon pathogen perception.
Synonyms:	HIR1, ATHIR1, HYPERSENSITIVE INDUCED REACTION 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> HIR1 (AT1G69840).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	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".
Stability & Storage:	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.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	31 kDa
Predicted Reactivity:	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 in <i>Gossypium raimondii</i> , <i>Medicago truncatula</i> , <i>Spinacia oleracea</i> , <i>Vitis vinifera</i> , <i>Sorghum bicolor</i> .

Research Use Only

For more species homologues information, please contact tech support at tech@phytoab.com.