

# Anti-Inositol requiring 1-1 antibody

Catalog: PHY1530S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	IRE1A (AT2G17520) and IRE1B (AT5G24360) are the active bZIP60 transcription factor. It involved in organ growth regulation, and plays a role in plant immunity and abiotic stress responses. It is required for ER stress-induced autophagy.
<b>Synonyms:</b>	IRE1B, ARABIDOPSIS THALIANA INOSITOL REQUIRING 1-1, ATIRE1-1, ATIRE1B, INOSITOL REQUIRING 1-1, IRE1-1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide of IRE1B derived from <i>Arabidopsis thaliana</i> AT5G24360.
<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 (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected/apparent MW:</b>	100 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologous with the sequence in *Brassica napus*.

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