

# Anti-Annexin D1, N-terminal antibody

Catalog: PHY1509S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Annexin D1 is a member of the annexin family, a diverse, multigene family of calcium-dependent, membrane-binding proteins. In Arabidopsis, AtANN1 can exist as a plasma membrane protein and is responsible for the root epidermal plasma membrane Ca <sup>2+</sup> - and K <sup>+</sup> -permeable conductance that is activated by extracellular hydroxyl radicals.
<b>Synonyms:</b>	ANN1, ANNAT1, ANNEXIN 1, ATANN1, ATOXY5, OXY5
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> ANN1 (AT1G35720).
<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>	36 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

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

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