

# Anti-Histone deacetylase HDT3 antibody

Catalog: PHY0665A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The four HD2 proteins of <i>Arabidopsis thaliana</i> (AtHD2A-D) belong to a unique class of histone deacetylases that is plant specific. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events, and it is involved in the modulation of abscisic acid and stress-responsive genes.
<b>Synonyms:</b>	HDT3/HD2C, HDT3, HD2C, HISTONE DEACETYLASE 2C, HISTONE DEACETYLASE 3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (14 aa from Central section) derived from <i>Arabidopsis thaliana</i> HDT3/HD2C (AT5G03740).
<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>	32 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

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