

Anti-Synaptotagmin A, C-terminal antibody

Catalog: PHY0821A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Synaptotagmin A (SYT1) is an endoplasmic reticulum and plasma membrane localized protein with similarity to synaptotagmins, it is a class of membrane trafficking proteins. SYT1 is expressed in all tissues. SYT1 may have a role in membrane repair such as membrane resealing after freezing induced damage.
Synonyms:	SYT1, SYTA, ARABIDOPSIS THALIANA SYNAPTOTAGMIN A, ATSYTA, NTMC2T1.1, NTMC2TYPE1.1, SYNAPTOTAGMIN 1, SYNAPTOTAGMIN A.
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> SYT1 (AT2G20990).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4). "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:	66 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica rapa</i> , <i>Brassica napus</i> , <i>Solanum lycopersicum</i> , <i>Gossypium</i>

Research Use Only

raimondii, *Solanum tuberosum*, *Nicotiana tabacum*, *Vitis vinifera*,
Cucumis sativus, *Oryza sativa*, *Populus trichocarpa*, *Glycine max*.

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