Anti-Glycylpeptide N-tetradecanoyltransferase 1 antibody

Catalog: PHY1851S

Product Information

Description:	Rabbit polyclonal antibody
Background:	*Arabidopsis thaliana*, like human, has two tightly regulated N-myristoyltransferase (NMT) genes, *NMT1* (AT5G57020) and *NMT2* (AT2G44170). The AtNMT1 expression profile indicated ubiquity in roots, stem, leaves, flowers, and siliques (approximately 1.7 kb transcript and approximately 50 kDa immunoreactive polypeptide) but a greater level in the younger tissue, which are developmentally very active.
Synonyms:	NMT1, ARABIDOPSIS THALIANA MYRISTOYL-COA:PROTEIN N-MYRISTOYLTRANSFERASE, ATNMT1, MYRISTOYL-COA:PROTEIN N-MYRISTOYLTRANSFERASE
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from *Arabidopsis thaliana* NMT1 (AT5G57020).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	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".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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

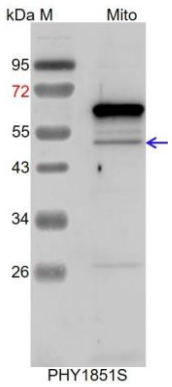
end user.

Expected / apparent MW: 50 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Glycine max*, *Populus trichocarpa*, *Brassica napus*, *Brassica rapa, Gossypium raimondii, Medicago truncatula*, and 80-99% homologues with the sequence in *Vitis vinifera*, *Spinacia oleracea*, *Solanum tuberosum, Nicotiana tabacum, Cucumis sativus, Panicum virgatum, Hordeum vulgare, Triticum aestivum, Setaria viridis, Physcomitrium patens, Chlamydomonas reinhardtii, Solanum lycopersicum, Oryza sativa, Sorghum bicolor*, *Zea mays.*
For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Mito: 10 μg mitochondria protein from *Arabidopsis thaliana*.

Electrophoresis: 15% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.