

Anti-Psb27 protein antibody

Catalog: PHY2321A

Product Information

Description:	Rabbit polyclonal antibody
Background:	PSB27 is a chloroplast lumen localized protein that is involved in adaptation to changes in light intensity.
Synonyms:	Psb27, Psb27-H1, Thylakoid lumenal protein PSB27-H1
Immunogen:	KLH-conjugated synthetic peptide of Psb27 derived from <i>Arabidopsis thaliana</i> AT1G03600.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	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".
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.

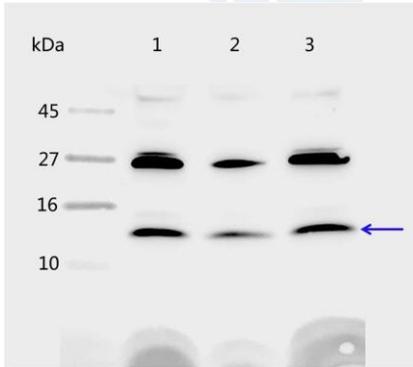
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected/apparent MW:	19 / 12 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica rapa</i> , <i>Brassica napus</i> , <i>Gossypium raimondii</i> , <i>Vitis vinifera</i> , <i>Cucumis sativus</i> , and 80-99% homologues with the sequence in <i>Populus trichocarpa</i> , <i>Glycine max</i> , <i>Setaria viridis</i> , <i>Sorghum bicolor</i> , <i>Zea mays</i> .

Research Use Only

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

Application Example



PHY2321A

Lane 1-3 are thylakoid membrane protein from WT of *Arabidopsis thaliana* containing 4 µg, 2 µg and 4 µg of chlorophyll, respectively.

Electrophoresis: Tricine-SDS-PAGE

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

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

Primary antibody: 1:2000 dilution overnight at 4°C.

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.