

Anti-FNR1 antibody

Catalog: PHY2231A

Product Information

Description:	Rabbit polyclonal antibody
Background:	FNR1 is a leaf-type ferredoxin-NADP ⁺ oxidoreductase. It is located in both the chloroplast stroma and thylakoid membrane, but is more abundant in the thylakoid. It mediates electron transfer from ferredoxin to NADP ⁺ , and is essential for attaching FNR2 to the thylakoid membrane.
Synonyms:	FNR1, ATLFNR1, FERREDOXIN-NADP(+)-OXIDOREDUCTASE 1, LEAF FNR 1, LEAF-TYPE CHLOROPLAST-TARGETED FNR 1, LFNR1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> FNR1 (AT5G66190).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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

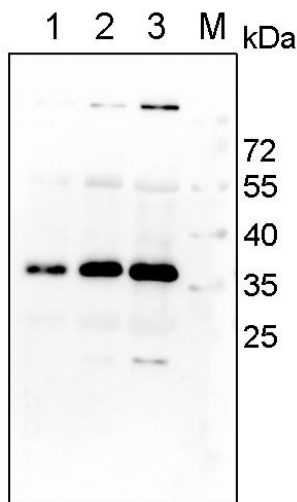
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	36 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in

Research Use Only

Brassica napus, Brassica rapa, Solanum tuberosum, Solanum lycopersicum, Panicum virgatum, Medicago truncatula, Sorghum bicolor, Cucumis sativus, Vitis vinifera, Nicotiana tabacum, Setaria viridis, Gossypium raimondii, Populus trichocarpa, Glycine max.

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

Application Example



PHY2231A

Lane 1: 12.5 µg Arabidopsis thylakoid membrane protein

Lane 2: 25 µg Arabidopsis thylakoid membrane protein

Lane 3: 50 µg Arabidopsis thylakoid membrane protein

Electrophoresis: 12.5% 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: 1:1000 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.