

Anti-NAD(P)H-quinone oxidoreductase subunit 2 antibody

Catalog: PHY5229A

Product Information

Description:	Rabbit polyclonal antibody
Background:	NDH-1 shuttles electrons from an unknown electron donor, via FMN and iron-sulfur (Fe-S) centers, to quinones in the respiratory and / or the photosynthetic chain. Cyanobacterial NDH-1 also plays a role in inorganic carbon-concentration.
Synonyms:	NDHB, NDH-1 subunit 2
Immunogen:	KLH-conjugated synthetic peptide (20 aa from C terminal section) derived from <i>Synechocystis sp.</i> PCC 6803 NDHB (slI0223).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01M 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.

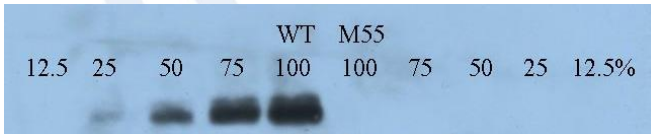
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	55 kDa
Confirmed Reactivity:	<i>Synechocystis sp.</i> PCC 6803
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com .

Research Use Only

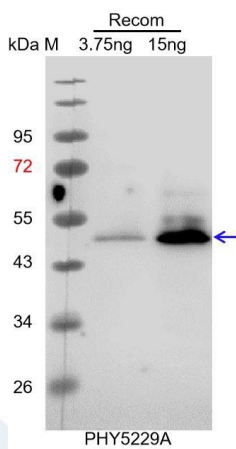
Application Example

Example1:



Western Blot using anti-NDHB antibody.

Example2:



Recom: 3.75 ng and 15 ng recombinant protein containing the peptide for immunization and having a molecular mass of 48kDa.

Electrophoresis: 12% 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.