

Anti-NiR (Ferredoxin-nitrite reductase) antibody, rabbit polyclonal

Cat. # 81-028 Size: 100 µg

Background:

Ferredoxin-nitrite reductase (NiR) is involved in the pathway nitrite reduction (assimilation), which is part of nitrogen metabolism.

Specifications:

Storage: Shipped at 4°C and store at -20°C

Form: 2 mg/ml in PBS, 50% glycerol. Filter sterilized. No preservative or carrier added.

Purity: IgG, affinity-purified with Protein A/G mix

Immunogen: Purified recombinant cyanobacterium (*Synechocystis* strain 6803) NiR protein (full-size, no-tag attached) expressed in *E. coli*.

Applications

1. Western blot (1/1,000- 1/2,000 dilution)
2. ELISA (assay dependent)

Other applications have not been tested.

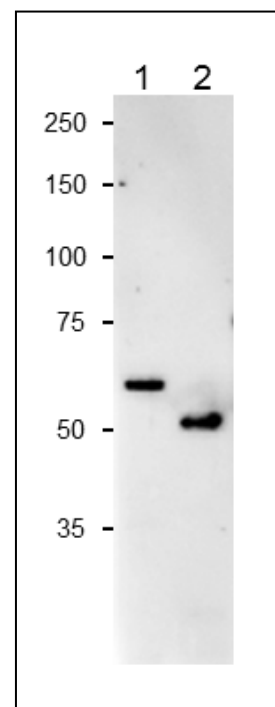
Data Link: UniProtKB: [Q55366](#) (*Synechocystis* sp. strain PCC 6803), [P05314](#) (**Spinach**)

Fig. 1 Western Blot of NiR protein of Cyanobacterium and Spinach

Anti-NiR antibody was used at 1/1,000 dilution. Secondary antibody (goat anti-rabbit IgG antibody HRP-conjugated, ab97051) was used at 1/10,000 dilution.

1. Recombinant spinach NiR protein
2. Recombinant cyanobacterium (*Synechocystis* strain 6803) NiR protein

Molecular masses, for spinach NiR, 66 kDa , for *Synechocystis* NiR, 56 kDa.



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Fig. 2 Western Blot of NiR protein in crude extract of Cyanobacterium, *Synechocystis* sp.

Sample: Cell extract of *Synechocystis* sp. PCC 6803

10% gel

Anti-NiR antibody was used at 1/1,000 dilution. Secondary antibody (goat anti-rabbit IgG antibody HRP-conjugated, ab97051) was used at 1/10,000 dilution.

Molecular mass of *Synechocystis* NiR is 56 kDa

