

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

81-028 100 µg

**Storage:** Ship at 4°C and store at -20°C. Do not freeze.

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

**Reactivity:** NiR protein of cyanobacterium (*Synechocystis*) and plant (spinach)

### Applications:

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

Other applications have not been tested.

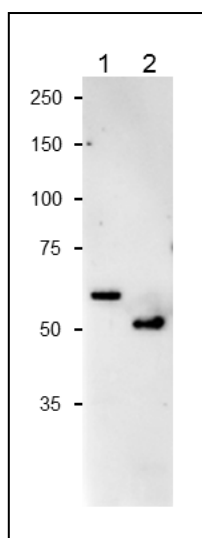
**Purity:** IgG, affinity-purified with Protein A/G mix.

**Form:** 2 mg/ml in PBS, 50% glycerol. Filter sterilized. No preservative nor carrier protein added.

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

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

**Reference:** No publication using this antibody.

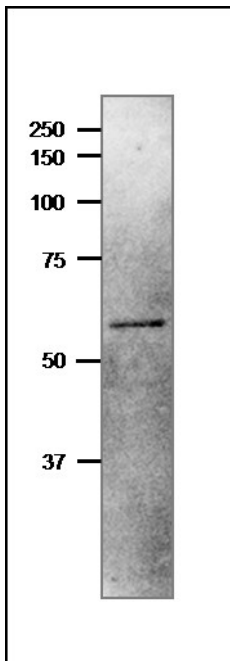


**Fig.1 Western Blot of NiR protein of Cyanobacterium and Spinach**

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.



**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