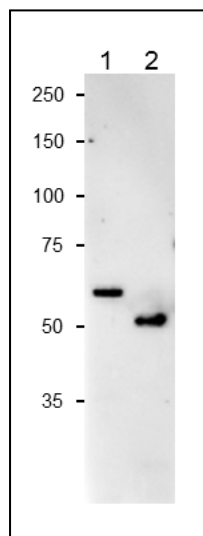


**Anti- NiR (Ferredoxin-nitrite reductase) antibody, rabbit polyclonal**

<b>Product code</b>	81-028
<b>Size</b>	100 µg
<b>Storage</b>	-20°C
<b>Concentration</b>	2.0 mg/ml
<b>Buffer</b>	PBS- with 50% glycerol
<b>Purity</b>	IgG, affinity-purified with protein A/G mix.
<b>Immunogen</b>	Purified recombinant cyanobacterium ( <i>Synechocystis</i> strain 6803) NiR protein (full-size, no-tag attached) expressed in <i>E. coli</i> .
<b>Isotype</b>	N/A
<b>Reactivity</b>	NiR protein of cyanobacterium ( <i>Synechocystis</i> ) and plant (spinach)
<b>Validation</b>	N/A
<b>Application</b>	1. Western blotting (1/1,000-1/2,000 dilution) 2. ELISA
<b>Background</b>	Ferredoxin-nitrite reductase (NiR) is involved in the pathway nitrite reduction (assimilation), which is part of Nitrogen metabolism.
<b>Data Link</b>	UniProtKB: <a href="#">Q55366</a> ( <i>Synechocystis</i> sp. strain PCC 6803), <a href="#">P05314</a> (Spinach)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 81-028 Anti- NiR (Ferredoxin-nitrite reductase) antibody, rabbit polyclonal

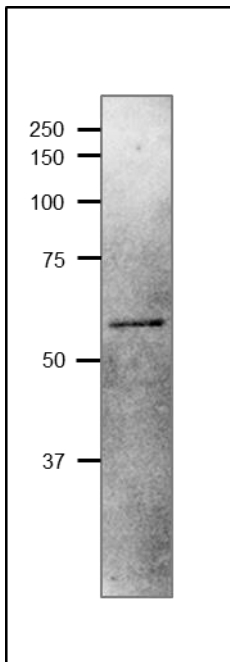


**Fig.1 Western Blot of NiR protein of Cyanobacterium and Spinacch**

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