

Product information

Antibody name: anti-FNR
(ferredoxin-NADP⁺-oxidoreductase)

Product number: F01A-1

Product description: polyclonal antibody;
contains 0.01% NaN₃

Origin: rabbit

Immunogen: recombinant FNR from *Arabidopsis*

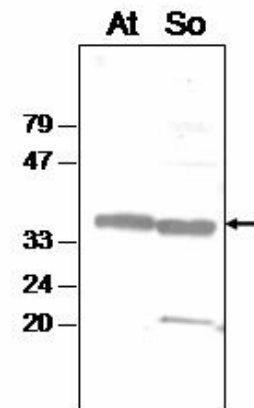
Immunodetection: Western blot (1: 3.000 for ECL)

Immunocrossreaction: higher plants.

Storage: short term 4°C, long term -20°C. Repeated freezing and thawing is not recommended.

Quantity: 100 µl

Protein description: FNR (ferredoxin-NADP⁺-oxidoreductase) catalyzes reduction of NADP⁺ using Fd that has accepted electrons from photosystem II in the final step of linear photosynthetic electron transport. In higher plants FNRs are encoded by a small multiple gene family (two chloroplast-targeted FNR in *Arabidopsis* and rice and three isoenzymes in maize). All forms are evenly distributed between the thylakoids and stroma. The analysis of *Arabidopsis* knock-out mutant deletious in FNR1 demonstrated that FNR1 is involved in PSI-dependent cyclic electron flow (Lintala et al., 2007, Plant J, 49, 1041 – 1052).



Western blot analysis of *Arabidopsis* (At) and spinach (So) chloroplast proteins with anti-FNR

For research purposes only