Anti-FdC1 (Ferredoxin-C1) (At) antibody, rabbit polyclonal

Product code	81-021
Size	100 µg
Storage	-20℃
Concentration	2.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Purified recombinant Arabidopsis Ferredoxin-C1 protein (full-size, no-tag attached)
Isotype	Rabbit IgG
Reactivity	Plant FdC1 proteins including those of Arabidopsis and Maize.
Special notes	N/A
Application	1. Western blotting (1/1,000 -1/5,000 dilution) 2. ELISA (assay dependent)
Background	Ferredoxins are iron-sulfur proteins that transfer electrons in a wide variety of metabolic reactions. Higher plants also possess genes for significantly different, as yet uncharacterized Fd proteins, with extended C termini (FdCs). Whether these FdC proteins function as photosynthetic electron transfer proteins is not known. It has been suggested that FdC1 has a specific function in conditions of acceptor limitation at PSI, and channels electrons away from NADP(+) photoreduction.
Data Link	UniProtKB:O23344 (O23344_ARATH)

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Data Images: 81-021 Anti-FdC1 (Ferredoxin-C1) (At) antibody, rabbit polyclonal

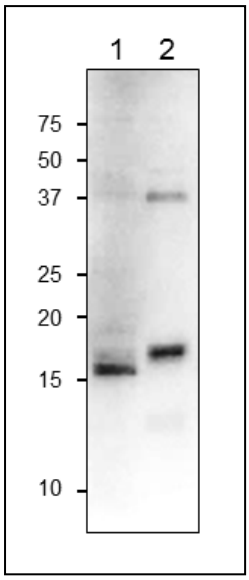

Fig.1 Western Blot of FdC1 protein.

Anti-FdC1 antibody was used at 1/1,000 dilution. Second antibody (goat anti-rabbit IgG antibody HRP-conjugated, ab97051) was used at 1/10,000 dilution.

1. Arabidopsis leaf extract, 10 µg
2. Maize leaf extract, 10 µg

Molecular mass of arabidopsis FdC1 is 16.7 kDa

Reference: This product has been used in the following publication.

1. Voss I. et al. FdC1, a novel ferredoxin protein capable of alternative electron partitioning, increases in conditions of acceptor limitation at photosystem I. J Biol Chem. 2011 Jan 7;286(1):50-9. PMID: 20966083. **WB; Arabidopsis**

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