

Anti-Ferredoxin-2 (At) antibody, rabbit polyclonal

Product code	81-017
Size	100 µg
Storage	-20°C
Concentration	2.0 mg/ml
Buffer	PBS ⁻ with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Purified recombinant Arabidopsis Fd2 protein (full-size, no-tag attached)
Isotype	Rabbit IgG
Reactivity	Plant Fd2 isoproteins including those of Arabidopsis and Maize.
Special notes	Validation: Specificity has been validated by western blotting with recombinant Arabidopsis Ferredoxin-2 (Fd2).
Application	1. Western blotting (1/1,000-1/5,000 dilution) 2. ELISA (Assay dependent) Other Applications have not been tested
Background	Ferredoxins are iron-sulfur proteins that transfer electrons in a wide variety of metabolic reactions. Occupies a key position both for transferring the photoreducing power to Fd-NADP ⁺ oxidoreductase (FNR), hence the formation of NADPH, and for mediating the cyclic electron flow around photosystem I (PSI). Fd2 is most abundant Fd isoproteins expressed in plant leaves. Subcellular location: Chloroplast, Plastid.
Data Link	UniProtKB P16972 (A. thaliana), O80429 (Z. mays)
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 81-017 Anti-Ferredoxin-2 (At) antibody, rabbit polyclonal

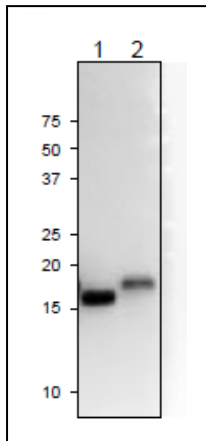


Fig.1 Western Blot of Fd2 protein with anti-Ferredoxin-2 (arabidopsis) antibody.

Anti-Fdx2 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. Arabidopsis leaf extract, 10 µg
2. Maize leaf extract, 10 µg

Molecular mass of Arabidopsis Fd2 is 16 kDa

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

1. Hanke GT, Kimata-Arigo Y, Taniguchi I, Hase T. A post genomic characterization of Arabidopsis ferredoxins. *Plant Physiol.* 2004 Jan;134(1):255-64. Epub 2003 Dec 18. PMID: [14684843](#)
WB;arabidopsis
2. Ramirez L. et al. Glutathione and ascorbic acid protect Arabidopsis plants against detrimental effects of iron deficiency. *J Exp Bot.* 2013 Aug;64(11):3169-78. PMID: [23788722](#) **WB; arabidopsis**