Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

**Product no** AS20 4430

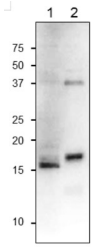
# FdC1 | Ferredoxinx-C1

## Product information

| | |
|---|---|
| **Immunogen** | Purified full length, tag cleaved, recombinant *Arabidopsis thaliana* Ferredoxin C-1, UniProt: O23344 , TAIR: At4g14890 |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Purity** | Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized. |
| **Format** | Liquid at 2 mg/ml. |
| **Quantity** | 100 µg |
| **Storage** | Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube. |

## Application information

| | |
|---|---|
| **Recommended dilution** | 1: 1000 - 1: 5000 (WB) |
| **Expected \| apparent MW** | 16.7 kDa |
| **Confirmed reactivity** | *Arabidopsis thaliana, Zea mays* |
| **Predicted reactivity** | *Brassica rapa, Cannabis sativa, Theobroma cacao*<br>Species of your interest not listed? Contact us |
| **Not reactive in** | No confirmed exceptions from predicted reactivity are currently known |
| **Selected references** | Voss et al. (2011). 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. doi: 10.1074/jbc.M110.161562. |




10 µg of *Arabidopsis thaliana* total leaf extract **(1)**, 10 µg of *Zea mays* total leaf extract **(2)** were freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE. For IP, 150mM NaCL, 1% Triton X-100, 50 mM Tris-HCl (pH 8.0) and denatured with 4X SDS buffer at 95°C for 5 min. Samples were separated on 10% SDS-PAGE and blotted 1h to PVDF membrane. Blot was blocked with 3 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1000 in TBS-T for 1h/RT. The antibody solution was decanted and the blot was washed 4 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a chemiluminescent detection reagent, following manufacture's recommendation.