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Datasheet for ABIN108468

## anti-Ferredoxin1 (FDX1) antibody

### 1 Image

#### Overview

Quantity:	50 µL
Target:	Ferredoxin1 (FDX1)
Reactivity:	Spinach, Barley, Chlamydomonas reinhardtii, Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	native ferredoxin purified from Spinacia oleracea
Cross-Reactivity (Details):	In Arabidopsis thaliana leaf extracts there is a strong cross-reactivity at 20 kDa
Predicted Reactivity:	dicotyl plants including Nicotiana tabacum
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 10 (Spinacia oleracea), 16.7 (Arabidopsis thaliana), 13.7 (Chlamydomonas reinhardtii)
Purification:	serum

#### Target Details

Target:	Ferredoxin1 (FDX1)
Alternative Name:	FDX1 ( <a href="#">FDX1 Products</a> )
Background:	Ferredoxins are acidic, low molecular weight, soluble iron-sulfur proteins found in various organisms. Iron-sulfur proteins are defined as proteins carrying iron-sulfur cluster(s) in which the iron is at least partially coordinated by sulfur. The protein acts as multifunctional electron

## Target Details

carriers in diverse redox systems. The chloroplast ferredoxin is involved in both cyclic and non-cyclic photophosphorylation reactions of photosynthesis and other reductive reactions in the chloroplast.

Molecular Weight: 10 (Spinacia oleracea), 16.7 (Arabidopsis thaliana), 13.7 (Chlamydomonas reinhardtii)

## Application Details

Application Notes: Recommended Dilution: 1 : 1000 with alkaline phosphatase or standard ECL (WB).

Comment: load per well: 20-40 µg/lane required for Arabidopsis thaliana, 2-10 µg for other species

Restrictions: For Research Use only

## Handling

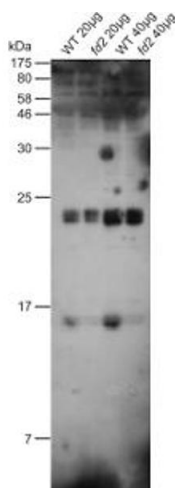
Format: Lyophilized

Reconstitution: For reconstitution add 200 µL of sterile water.

Handling Advice: Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.  
Once reconstituted make aliquots to avoid repeated freeze-thaw cycles.

Storage: -20 °C

## Images



**Image 1.** Figure: 20 or 40 µg of total protein from Arabidopsis thaliana (WT) Leaves or ferredoxin mutant fd2 were separated on 15 % acrylamide gel with 6 M urea. Filters were blotted on PVDF, blocked (1 h) with 5 % milk, incubated with 1: 1000 anti-ferredoxin (ON in 4°C) in 1 % milk/TBS-T) followed by incubation with 1: 10000 secondary antibody (2 h) coupled to HRP and visualization with standard ECL.