

FDX1 | Ferredoxin

Cat PA00550

Size 50 µl

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Arabidopsis thaliana, Chlamydomonas reinhardtii, Hordeum vulgare, Pinus strobus, Spinacia oleracea, Synechocystis 6803 substrain PCC-M

Immunogen

Native ferredoxin purified from Spinacia oleracea.

Host

Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Lyophilized

Reconstitution

For reconstitution add 50 µl of sterile water

Storage

Store lyophilized/reconstituted 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

Western blot (WB)

Recommended dilution

1 : 1000 (WB)

Expected | apparent MW

10 (Spinacia oleracea); 16.7 (Arabidopsis thaliana), 13.7 (Chlamydomonas reinhardtii)

Confirmed reactivity

Arabidopsis thaliana, Chlamydomonas reinhardtii, Hordeum vulgare, Pinus strobus, Spinacia oleracea, Synechocystis 6803 substrain PCC-M

Predicted reactivity

Dicots, Nicotiana tabacum, Physcomitrium patens, Zea mays

Not reactive in

Phaeodactylum tricornutum

Additional information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

FDX1 | Ferredoxin

Cat PA00550

Size 50 μ l

In *Arabidopsis thaliana* leaf extracts there is a strong cross-reactivity at 20 kDa., Load per well: 20-40 μ g/lane required for *Arabidopsis thaliana*, 2-10 μ g for other species. This product can be sold containing proclin if requested.

Description

Ferredoxin is an acidic, low molecular weight, soluble ferrithionein found in various organisms. Iron-thionein is defined as a protein that carries iron-sulfur clusters in which iron is at least partially coordinated with sulfur. The protein acts as a multifunctional electron carrier in a variety of REDOX systems. Chloroplast ferridodoxin is involved in cyclic and non-cyclic photophosphorylation of photosynthesis and other reduction reactions in chloroplasts.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY