Ferredoxin 1 + Ferredoxin 2 antibody

Cat. No. GTX00911

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ELISA
Reactivity	Arabidopsis thaliana, Zea mays

Package
100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:5000
ELISA	Assay dependent

Not tested in other applications.

Calculated MW	15 kDa. (Note)
Product Note	It reacts with plant Fd1 and Fd2 isoproteins including those of Maize and Arabidopsis.

Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 50% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Purified recombinant Maize Fd1 protein (full-size, no Tag)
Purification	Protein A purified
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

For full product information, images and publications, please visit our website.

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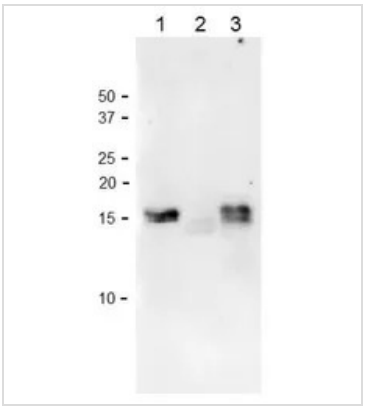
DATA IMAGES

GTX00911 WB Image

WB analysis of various samples using GTX00911 Ferredoxin 1 + Ferredoxin 2 antibody. The Maize leaf type specific antibody, anti-Ferredoxin-1 antibody also specifically reacts with Arabidopsis leaf type ferredoxins, 1 and 2 isoproteins.
Lane 1 : Recombinant At-Feredoxin-1 (200 nmol)
Lane 2 : Recombinant At-Ferredoxin-2 (200 nmol)
Lane 3 : Recombinant At-Ferredoxin-3 (200 nmol)
Lane 4 : Recombinant At-Ferredoxin-4 (20 nmol)
Lane 5 : Leaf extract of Arabidopsis, soluble fraction with 70% saturated ammonium sulfate
Lane 6 : Leaf extract of Arabidopsis, insoluble fraction with 70% saturated ammonium sulfate
Lane 7 : Root extract of Arabidopsis



GTX00911 WB Image

WB analysis of various samples using GTX00911 Ferredoxin 1 + Ferredoxin 2 antibody. Molecular mass of Maize Fds are about 12kDa, but migrates at the position around 15 kDa on SDS-PAGE.
Lane 1 : Recombinant Maize Fd1 protein
Lane 2 : Arabidopsis leaf extract (10 µg)
Lane 3 : Maize leaf extract (10 µg)
Dilution : 1:1000

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