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Product no AS20 4431

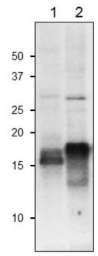
Anti-Fd1, Fd2, Fd3, Fd4 | Ferredoxin 1,2,3,4

Product information

Immunogen	Native, chromafography purified ferredoxin mixture: Fd1, Fd2, Fd3 and Fd4 from *Zea mays*, UniProt: P27787 (Fd1), P27787(Fd2), P27788 (Fd3), accesion number not known for Fd4
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: 10 000 (WB)
Expected | apparent MW	12 | 16-17 kDa
Confirmed reactivity	*Arabidopsis thaliana, Zea mays*
Predicted reactivity	plant ferredoxin isoforms Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Following processing MW of plant ferredoxins is around 12 kDa, However, due to a strong acidic nature, they migrate at 16 to 17 kDa
Selected references	Hase et al. (1991). Molecular Cloning and Differential Expression of the Maize Ferredoxin Gene Family. Plant Physiol. 96(1):77-83. doi: 10.1104/pp.96.1.77.



10 µg/well of *Arabidopsis thaliana* total leaf extract ***(1),*** 10 µg/well *Zea mays* total leaf extract **(2)** 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.