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Product no AS16 4097

Anti-Thioredoxin-like protein HCF164, chloroplastic

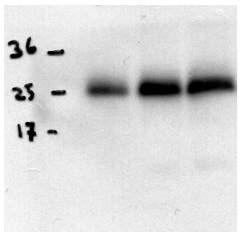
Product information

Immunogen	KLH-conjugated peptide derived from Arabidopsis thaliana HCF164 protein sequence, UniProt: A0A178V430., TAIR: AT4G37200
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Lyophilized antibody can be stored at -20°C for up to 3 years. 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 (WB)
Expected | apparent MW	28.6 | 26 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Aegilops tauschii, Anthurium amnicola, Cajanus cajan, Cephalotus follicularis, Cicer arietinum, Corchorus olitorius, Cucumis melo, Dichanthelium oligosanthes, Glycine soja, Gossypium hirsutum, Medicago truncatula, Morus notabilis, Musa acuminata, Nelumbo nucifera, Nicotiana sylvestris, Nicotiana tabacum, Oryza sativa subsp. japonica, Saccharum hybrid cultivar R570, Solanum chacoense , Theobroma cacao, Vigna radiata var. radiata, Zea mays* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known

Application example



Arabidopsis thaliana Col0 thylakoids were extracted in isolation buffer (330 mm Sucrose, 25 mm HEPES-KOH, pH 7.4, 10 mm $MgCl_2$, and 10 mm NaF) and detarud with Laemmli buffer at 65C for 10 min. Proteins were separed on 12 % SDS-PAGE and blotted 1 h on a PVDF membrane using semi-dry transfer. Blot was blocked with 8 % milk for 1 h at RT. Blot was incubated in the primary antibody at a dilution of 1: 3 000 overnight at 4°C with agitation in TBS-T with 1% milk. The antibody solution was decanted and the blot was washed 4 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, AS09 602 from Agrisera) diluted to 1:25 000 in for 2h at RT with agitation. The blot was washed as above, incubated in chemiluminescent detection reagent for 5 min and developed on film with 1 min exposure.

Courtesy of Msc Lauri Nikkanen, University of Turku, Finland