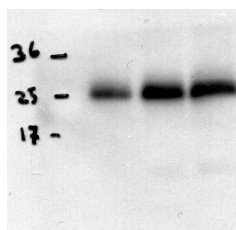


Product no **AS16 4097****Thioredoxin-like protein HCF164, chloroplastic****Product information**

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|-----------------------|--|
| 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

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| Recommended dilution | 1 : 1000 (WB) |
| Expected apparent MW | 28,6 26 kDa |
| Confirmed reactivity | <i>Arabidopsis thaliana</i> |
| Predicted reactivity | <i>Aegilops tauschii</i> , <i>Anthurium amnicola</i> , <i>Cajanus cajan</i> , <i>Cephalotus follicularis</i> , <i>Cicer arietinum</i> , <i>Corchorus olitorius</i> , <i>Cucumis melo</i> , <i>Dichantherium oligosanthes</i> , <i>Glycine soja</i> , <i>Gossypium hirsutum</i> , <i>Medicago truncatula</i> , <i>Morus notabilis</i> , <i>Musa acuminata</i> , <i>Nelumbo nucifera</i> , <i>Nicotiana sylvestris</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa subsp. japonica</i> , <i>Saccharum hybrid cultivar R570</i> , <i>Solanum chacoense</i> , <i>Theobroma cacao</i> , <i>Vigna radiata var. radiata</i> , <i>Zea mays</i> 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 MgCl₂, and 10 mm NaF) and denatured with Laemmli buffer at 65°C for 10 min. Proteins were separated 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