

product **AS06 163**

Hcf101 | high chlorophyll fluorescence phenotype protein

product information

background	Hcf101 is a novel protein required for photosystem I biogenesis. Hcf101-1 is a high-chlorophyll-fluorescence hcf) <i>Arabidopsis thaliana</i> mutant that lacks photosystem I. In green tissue the level of this protein is stimulated by light and the protein has not been detected in roots. It has been localized in chloroplast stroma.
immunogen	recombinant <i>Arabidopsis thaliana</i> Hcf101, amino acid residues 206-532 Q6STH5
antibody format	rabbit polyclonal serum lyophilized
quantity	200 µl for reconstitution add 200 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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
tested applications	western blot (WB), immunolocalization (IHC)
additional information	cellular [compartment marker] of plastid stroma

application information

recommended dilution	1:3000 with standard ECL (WB), 1: 3000 (IL)
expected apparent MW	57 50.5 kDa
confirmed reactivity	<i>Arabidopsis thaliana</i>
predicted reactivity	<i>Arabidopsis thaliana</i>
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	Immunolocalization has been done on isolated plastids, followed by separation into stroma and thylakoids
selected references	Stöckel et al. (2004) A Novel Protein for Photosystem I Biogenesis J. of Biol. Chem. Vol. 279, No. 11, Issue of March 12, pp. 10243–10251, 2004