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Product no AS04 049

DISCONTINUED Anti-PsaK | PSI-K subunit of photosystem I

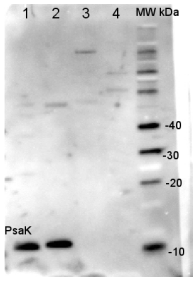
Product information

Immunogen	Fusion protein between DHFR and the mature part of PsaK from *Arabidopsis thaliana,* UniProt: Q9SUI5, TAIR: At1g30380
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein G purified in PBS pH 7.4.
Format	Lyophilized
Quantity	100 µl
Reconstitution	For reconstitution add 100 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 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 : 2000-1 : 5000 (WB)
Expected | apparent MW	8.5 kDa
Confirmed reactivity	*Arabidopsis thaliana, Hordeum vulgare, Nicotiana tabacum, Spinacia oleracea*
Predicted reactivity	*Zea mays* Species of your interest not listed? Contact us
Not reactive in	*Chlamydomonas reinhardtii, Cyanidioschyzon merolae* strain 10D, *Synechococcus* sp. PCC 7942
Selected references	Bock (2012). The plastid genome-encodedYcf4 protein functions as a non-essential assembly factor for photosystem I in higher plants. Plant Physiol. ahead of print.

Application example



2 µg of total protein from *Arabidopsis thaliana* leaf **(1)**, *Horderum vulgare* leaf **(2)**, *Chlamydomonas reinhardtii* total cell **(3)**, *Synechococcus* sp. PCC 7942 total cell **(4)**, all extracted with PEB (**AS08 300**) and separated on **4-12%** NuPage (Invitrogen) **LDS-PAGE** and blotted 1h to **PVDF**. Blots were blocked immediately following transfer in 2% blocking reagent in 20 mM Tris, 137 mM sodium chloride pH 7.6 with 0.1% (v/v) Tween-20 (TBS-T) for 1h at room temperature with agitation. Blots were incubated in the **primary antibody at a dilution of 1: 10 000** for 1h at room temperature with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in TBS-T at room temperature with agitation. Blots were incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:20 000 in 2% blocking solution for 1h at room temperature with agitation. The blots were washed as above and developed for 5 min with chemiluminescent detection reagent according the manufacturers instructions. Images of the blots were obtained using a CCD imager (FluorSMax, Bio-Rad) and Quantity One software (Bio-Rad).