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Product no AS05 084A-FITC

PsbA | D1 protein of PSII, C-terminal, FITC conjugated

Product information

Immunogen	KLH-conjugated synthetic peptide derived from available plant, algal and cyanobacterial PsbA sequences, including *Arabidopsis thaliana* UniProt: A4QJR4, TAIR: AtCg00020 , *Oryza sativa* P0C434, *Populus alba* Q14FH6, *Physcomitrella patens* Q6YXN7, *Chlamydomonas reinhardtii* P07753, *Synechocystis* sp. P14660 and many others
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4, conjugated to FITC.
Format	Liquid
Quantity	40 µg
Storage	Store at 4°C for 12-18 months. A preservative may be added for long time storage up to 2 years. 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.
Additional information	PsbA	D1 protein of PSII, C-terminal, FITC conjugated

Application information

Expected | apparent MW	38 | 28-30 kDa
Confirmed reactivity	*Anabaena* 7120, *Arabidopsis thaliana, Artemisia annua, Arundo sp., Chlamydomonas reinhardtii, Colobanthus quitensis Kunt Bartl, Craterostigma sp., Coscinodiscus wailesii, Cynara cardunculus* var *altilis, Ditylum brightwellii, Glycine max, Hordeum vulgare, Lindernia sp., Miscanthus x giganteus, Marchantia polymorpha (*liverwort*), Nicotiana benthamiana,Panicum miliaceum, Panax ginseng, Panicum maximum, Paulinella chromatophora (*amoeba*), Pinus strobus, Physcomitrium patens, Prochlorococcus sp. (*surface and deep water ecotype*), Synechococcus sp.* PCC 7942*, Spirodela polyrhiza, Symbiodinium sp., Zea mays*
Predicted reactivity	Algae (brown and red), *Brassica napus*, Conifers, Cyanobacteria, Dictos, *Cannabis sativa*, *Galdieria sulphuraria, Lactuca sativa*, L*ycopersicum esculentum, Medicago sativa, Nannochloropsis sp., Oryza sativa, Ostreococcus sp. Pisum sativum, Porphyridium purpureum, Sesamum indicum, Thalassiosira pseudonana, Zosteria marina, Vitis vinifera* cellular [compartment marker] of thylakoid membrane Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	The antibody is appropriate for detecting both, 24 kDa or the 10 kDa C-terminal fragments, whichever is generated under given treatment conditions. In our analysis we have seen both, ca. 24 kDa and ca. 10 kDa fragments from different samples, depending on treatments and isolation procedures. Rabbit anti-PsbA antibody can detect more than one band of PsbA protein, e.g. precursor and mature protein as compare to the hen anti-PsbA antibodies AS01 016. This antibody will detect the phosphorylated form of D1 as an alternate band to the main band on a high resolution gel. The antibody will bind to cross-linked proteins: D1/D2, D1/cyt b559, D1/CP43.