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Product no AS14 2786

Anti-PsbN | Potosystem II reaction center protein N

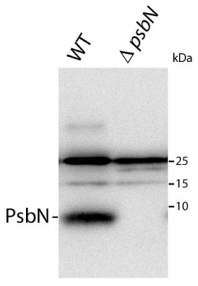
Product information

Immunogen	KLH-conjugated synthetic peptide chosen from PsbN protein of *Arabidopsis thaliana* Uniprot: P62113, TAIR: AtCg00700
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 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.
Additional information	This product can be sold containing 0,1% ProClin

Application information

Recommended dilution	1 : 5000 (WB)
Expected | apparent MW	4.7 kDa
Confirmed reactivity	*Arabidopsis thaliana, Nicotiana tabacum*
Predicted reactivity	*Arabis alpina, Camelia sp., Canna indica, Cannabis sativa, Costus pulverulentus, Glycine max, Helianthus tuberosus, Hordeum vulgare, Lactuca sativa, Lilium sp., Manihot esculenta, Oryza sativa, Phaseolus vulgaris, Pisum sativum, Populus trichocarpa, Saccharum officinarum, Solanum tuberosum, Sorghum timorense, Spinacia oleracea, Tricitum aestivum, Thaumatococcus daniellii, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Torabi et al. (2014). PsbN Is Required for Assembly of the Photosystem II Reaction Center in Nicotiana tabacum. Plant Cell. 2014 Mar;26(3):1183-99. doi: 10.1105/tpc.113.120444. Epub 2014 Mar 11.

Application example



5 µg of membrane proteins from *Nicotiana tabacum* WT and Δ psbN mutant isolated with homogenization buffer (50 mM Tris HCl pH 8.0, 10 mM EDTA, 2 mM EGTA, 10 mM DTT) were separated on 15% SDS-PAGE and blotted 1h to PVDF using semi-dry transfer. Blots were blocked with 3% BSA for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1:1000 for 12h at 4°C 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 RT with agitation. Blot was incubated in secondary antibody (goat anti-rabbit IgG horse radish peroxidase conjugated, AS09 602, Agrisera) diluted to 1:25 000 in BSA for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 53 seconds.

Courtesy of Dr. Jörg Meurer, Biozentrum der Ludwig-Maximilians-Universität München, Germany