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Product no AS05 066

Anti-PsbX | small subunit X of PSII

Product information

Immunogen	KLH-conjugated synthetic peptide dervied from *Arabidopsis thaliana* PsbX sequence UniProt: Q9SKI3 TAIR: At2g06520
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	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 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	PsbX is a small (4 kDa) and very hydrophobic subunit of PSII, Immunoblots from SDS-gels (especially with high loading) may show higher molecular weight signals from PsbX not fully detached from other subunits of PSII, The use of 15% SDS-PAGE gels with 2-4 M urea is recommended when working with this antibody

Application information

Recommended dilution	1 : 2500, 1 µg of chlorophyll/lane (WB)
Expected | apparent MW	4 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	Dictos, *Oryza sativa, Zea mays* Species of your interest not listed? Contact us
Not reactive in	Cyanobacteria
Additional information	For an image of antibody detection in a western blot application see Garcia-Cerdan et al. (2008).
Selected references	Hackett et al. (2017). An Organelle RNA Recognition Motif Protein Is Required for Photosystem II Subunit psbF Transcript Editing. Plant Physiol. 2017 Apr;173(4):2278-2293. doi: 10.1104/pp.16.01623.