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Product no AS19 4297

Anti-NdbA | Thylakoid Localized Type 2 NAD(P)H Dehydrogenase

Product information

Immunogen	KLH-conjugated peptide derived from NdbA protein sequence of *Synechocystis* sp. PCC 6803, UniProt:P73739 Chosen peptide is not conserved in NdbB and NdbC.
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.

Application information

Recommended dilution	1 : 2000 (WB)
Expected | apparent MW	49 | 46 kDa
Confirmed reactivity	*Synechocystis* sp. PCC 68
Predicted reactivity	*Bacillus subtilis* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Protein extraction: harvested cells were suspended in a buffer containing 50 mM Hepes-NaOH, pH 7,5, 30 mM CaCl2, 800 mM sorbitol, 1 mM -amino-n-caproic acid, and the cells were broken by vortexing 6×1 min at 4°C in the presence of glass beads, Protein samples were solubilized in Laemmli buffer containing 6 M urea and separated on a gel in presence of 6M urea
Selected references	Huokko et al. (2019). Thylakoid Localized Type 2 NAD(P)H Dehydrogenase NdbA Optimizes Light-Activated Heterotrophic Growth of Synechocystis sp. PCC 6803. Plant Cell Physiol. 2019 Mar 7. pii: pcz044. doi: 10.1093/pcp/pcz044.