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product AS08 370

ATPase | ATP synthase, whole enzyme

product information

background	**ATP synthase** produces ATP from ADP in the presence of a proton gradient across the membrane. F-type ATPases have two components, CF(1) - the catalytic core - and CF(0) - the membrane proton channel. CF(1) has five subunits: alpha(3), beta(3), gamma(1), delta(1), epsilon(1). CF(0) has three main subunits: a, b and c.
immunogen	purified native protein from spinach
antibody format	rabbit; polyclonal; serum; lyophilized
quantity	100 µl - 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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
tested applications	Western blot (WB)
additional information	to be added when available

application information

recommended dilution	1: 10 000 (WB)
expected | apparent MW	38-58 kDa
confirmed reactivity	subunits alpha, beta, gamma, epsilon of *Ch. reinhardtii, S. oleracea, P.sativum,* perennial grasses: *Eremochloa ophiuriudes, Paspalum vaginatum*
predicted reactivity	n. a.
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	the prominent reaction is to a doublet around 55-58 kDa which is alpha and beta and weaker reaction to gamma subunit which is around 38 kDa
selected references	Liu et al. (2011). Identification of differentially expressed salt-responsive proteins in roots of two perennial grass species contrasting in salinity tolerance. J Plant Physiol. Nov 7