 contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännas | Sweden | +46 035 33033 | www.agrisera.com

product AS05 073

CAH3 | carbonic anhydrase

product information

background	**CAH3** - carbonic anhydrase is a zinc-containing metalloenzyme that catalyzes the reversible interconversion of CO2 and HCO3–. It plays an important role in many physiological functions that involve decarboxylation or carboxylation reactions, including both photosynthesis and respiration.
immunogen	recombinant carbonic anhydrase of *Chlamydomonas reinhardtii* A8J4Z8
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	this antibody recognizes native and recombinant carbonic anhydrase of *Chlamydomonas reinhardtii*

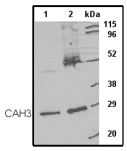
application information

recommended dilution	1:2000 with standard ECL (WB)
expected | apparent MW	33.4 | 29 kDa
confirmed reactivity	*Chlamydomonas reinhardtii*
predicted reactivity	*Chlamydomonas reinhardtii* only
not reactive in	*Arabidopsis thaliana, Oryza sativa*
additional information	to be added when available
selected references	Shutova et al. (2008). The photosystem II-associated Cah3 in Chlamydomonas enhances the O2 evolution rate by proton removal. EMBO J. 27:782-791.

 contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännas | Sweden | +46 035 33033 | www.agrisera.com

application example



(**1**) *Chlamydomonas reinhardtii* thylakoid preparation,

(**2**) overexoressed carbonic anhydrase

primary antibody used in 1: 2000 dilution. Secondary

antibodies anti-rabbit IgG (GE Healthcare)

used at 1: 10 000 with standard ECL