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This product is for research use only (not for diagnostic or therapeutic use)

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Product no AS19 4321 BetaCA1 | Beta carbonic anhydrase 1 (chloroplastic)

Product information

ImmunogenKLH-conjugated synthetic peptide, derived in the part C-terminus of BetaCA1 of Arabidopsis thaliana, UniProt: P27140,
TAIR: At3g01500HostRabbitClonalityPolyclonalPuritySerumFormatLyophilizedQuantity50 μlReconstitutionFor reconstitution add 50 μl, of sterile waterStorageStore 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 : 20 000 (WB)
Expected apparent MW	37,5 25,3 kDa
Confirmed reactivity	Arabidopsis thaliana
Predicted reactivity	Solanum lycopersicum Q5NE20 Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Extraction method – Grind 50 mg of leaf tissue in a sterile microcentrifuge tube using a sterile plastic pestle. Add 132 μ L of Protein Extraction Buffer (1x TE, 1.2 %SDS, 2.7% sucrose, 7.5 μ g mL-1 bromophenol blue) to the ground leaf tissue. Vortex the sample and keep on ice for 15 mins. Centrifuge at 14,000 rpm for five minutes using a benchtop centrifuge. Collect the supernatant and in a new sterile 0.5 ml microcentrifuge tube and discard the pellet.
	This antibody does not recognize betaCA2.
Selected references	<u>DiMario</u> et al. (2016). The Cytoplasmic Carbonic Anhydrases CA2 and CA4 Are Required for Optimal Plant Growth at Low CO2. Plant Physiol. 2016 May;171(1):280-93. doi: 10.1104/pp.15.01990.