

Datasheet for ABIN190723
anti-Rubisco antibody



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2 Publications

Overview

Quantity:	50 µL
Target:	Rubisco (RBCS)
Reactivity:	Arabidopsis thaliana, Synechocystis PCC 6803, Chlamydomonas, Potato, Soybean, Spinach
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Rubisco antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	purified 557 kDa hexadecamer Rubisco protein complex from Spinacia oleracea (SIGMA-ALDRICH R-8000)
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 53-55 / 53-55 kDa
Purification:	serum

Target Details

Target:	Rubisco (RBCS)
Alternative Name:	Rubisco (RBCS Products)
Background:	Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO ₂ fixation in photosynthetic organisms. It is demonstrably homologous from purple bacteria to flowering plants and consists of two protein subunits, each present in 8 copies. In plants and green algae, the large subunit (~55 kDa) is coded by the chloroplast rbcL gene, and the small

Target Details

subunit (15 kDa) is coded by a family of nuclear rbcS genes.

Molecular Weight: expected: 53-55 kDa, apparent: 53-55 kDa

UniProt: [Q43832](#), [P00875](#)

Application Details

Application Notes: Recommended Dilution: 1 : 10 000 - 1 : 20 000 on 0.5-10 ug total cellular protein/lane and standard ECL(WB).

Comment: RbcS subunit is not detected by this antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: For reconstitution add 200 µL of sterile water.

Handling Advice: 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.
Once reconstituted make aliquots to avoid repeated freeze-thaw cycles.

Storage: -20 °C

Publications

Product cited in: Kissen, Hyldbakk, Wang, Sørmo, Rossiter, Bones: "Ecotype dependent expression and alternative splicing of epithiospecifier protein (ESP) in *Arabidopsis thaliana*." in: **Plant molecular biology**, Vol. 78, Issue 4-5, pp. 361-75, (2012) ([PubMed](#)).

Li, Zhu, Zeng, Zhang, Ye, Ou, Rehman, Heuer, Chen: "Proteome characterization of cassava (*Manihot esculenta* Crantz) somatic embryos, plantlets and tuberous roots." in: **Proteome science**, Vol. 8, pp. 10, (2010) ([PubMed](#)).