

Datasheet for ABIN2749233

anti-Ribulose Bisphosphate Carboxylase Small Chain, Chloroplastic (SSU1) antibody[Go to Product page](#)**2 Publications**

Overview

Quantity:	50 µL
Target:	Ribulose Bisphosphate Carboxylase Small Chain, Chloroplastic (SSU1)
Reactivity:	Apple, Arabidopsis thaliana, Barley, Cucumber, Nicotiana tabacum
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH-conjugated synthetic peptide derived from all known sequences of RbcS from monocots and dicots including RuBisCO small subunit 1B of Arabidopsis thaliana At5g38430
Cross-Reactivity (Details):	Not reactive in: cyanobacteria
Predicted Reactivity:	Camellia oleifera, Erythranthe guttata, Flaveria bidentis, Flaveria sonorensis, Glycine max, L, Nicotiana benthamiana, Oryza sativa, Petunia hybrida, Polianthes tuberosa, Populus deltoides, Triticum aestivum, Solanum melongena, Solanum tuberosum, Zea mays, liverwort Marchantia paleacea, green algae
Characteristics:	Expected / apparent Molecular Weight of the Antigen: 20 / 15 kDa
Purification:	serum

Target Details

Target:	Ribulose Bisphosphate Carboxylase Small Chain, Chloroplastic (SSU1)
Alternative Name:	Rubisco small subunit (SSU) (RbcS) (SSU1 Products)

Target Details

Background:	AGI Code: At5g38430 Rubisco catalyzes the rate-limiting step of CO ₂ fixation in photosynthesis. This enzyme contains two subunits, each present in eight copies. In plants and green algae, 55-kD large subunit is coded by the chloroplast rbcL gene, and the 15-kD small subunit is coded by a family of nuclear RbcS genes.
Molecular Weight:	expected: 20 kDa, apparent: 15 kDa
UniProt:	P10796

Application Details

Application Notes:	1: 5000 with standard ECL (WB)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 50 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
Storage Comment:	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.

Publications

Product cited in:	Lintala, Schuck, Thormählen, Jungfer, Weber, Weber, Geigenberger, Soll, Bölter, Mulo: "Arabidopsis tic62 trol mutant lacking thylakoid-bound ferredoxin-NADP ⁺ oxidoreductase shows distinct metabolic phenotype." in: Molecular plant , Vol. 7, Issue 1, pp. 45-57, (2014) (PubMed).
	Sun, Suen, Zhang, Liang, Carrie, Whelan, Ward, Hawkins, Jiang, Lim: "A dual-targeted purple acid phosphatase in Arabidopsis thaliana moderates carbon metabolism and its overexpression leads to faster plant growth and higher seed yield." in: The New phytologist , Vol. 194, Issue 1, pp. 206-19, (2012) (PubMed).

