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Product Datasheet

Anti-RbcL | Rubisco large subunit, form I (chicken), Gallus, Polyclonal AGR-AS01-017

Artikelname	Anti-RbcL Rubisco large subunit, form I (chicken), Gallus, Polyclonal
Artikelnummer	AGR-AS01-017
Hersteller Artikelnummer	AS01-017
Alternativnummer	AGR-AS01-017
Hersteller	Agrisera
Wirt	Gallus
Kategorie	Antikörper
Applikation	IF, IL, WB
Spezies Reaktivität	A. thaliana, Plant
Immunogen	KLH-conjugated synthetic peptide derived from all known plant, algal and cyanobacterial RbcL (Rubisco large subunit of Rubisco Form I) sequences, including Arabidopsis thaliana UniProt: O03042, TAIR: AtCg00490, Synechococcus sp. Q3ALL1
Produktbeschreibung	Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO ₂ fixation in photosynthesis. It is one of the most abundant proteins on Earth and its homology has been demonstrated from purple bacteria to flowering pl...
Klonalität	Polyclonal
Molekulargewicht	52.7 kDa (Arabidopsis thaliana), 52.5 kDa (cyanobacteria), 52.3 kDa (Chlamydomonas reinhardtii)
NCBI	844754

UniProt	O03042
Reinheit	Purified, total IgY (chicken egg yolk immunoglobulin) in PBS pH 8. Contains 0.02 % sodium azide.
Formulierung	Liquid
Antibody Type	Polyclonal Antibody
Application Verdünnung	(IL) tested on a grass species, formaldehyde-fixed and paraffin-embedded tissue following the protocol from Gonzalez et al, (1998) Plant Physiol, V, 116, 1 : 10 000-1 : 20 000, 2 µg of total cellular protein, (WB)
Anwendungsbeschreibung	This antibody detects RbcL protein from 102.6 fmoles and has been used as a control to ensure adequate permeabilization and fixation of toxic cyanobacterial cells in immunolabeling experiments (method based on: Orellana & Perry (1995) J Phycol 31: 785-794).Antibody has been used in immunolabelling of intact cyanobacterial cells fixed with ethanol using a secondary anti-IgY antibody conjugated with a fluorochrome.For Rubisco quantification using quantitative western blot technique, anti-RbcL antibody, (AS03 037) combined with Rubisco ready to use standard (AS01 017) is recommended.