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Product Datasheet

Anti-RbcL | Rubisco large subunit, form I (rabbit), Rabbit, Polyclonal AGR-AS03-037

Article Name	Anti-RbcL Rubisco large subunit, form I (rabbit), Rabbit, Polyclonal
Biozol Catalog Number	AGR-AS03-037
Supplier Catalog Number	AS03-037
Alternative Catalog Number	AGR-AS03-037
Manufacturer	Agrisera
Host	Rabbit
Category	Antikörper
Application	IGS, WB
Species Reactivity	A. thaliana, Algae, Bacteria, Plant
Immunogen	KLH-conjugated synthetic peptide conserved across all known plant, algal and cyanobacterial RbcL protein sequences (form I L8S8 and form II L2), including, Arabidopsis thaliana O03042, Hordeum vulgare P05698, Oryza sativa P0C510, Chlamydomonas reinhardtii P00877, Synechococcus PCC 7920 A5CKC5
Product Description	This antibody is especially suitable for quantifying of Rubisco in plant and algal samples. Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO ₂ fixation in photosynthetic organisms. It is demonstrably hom...
Clonality	Polyclonal
Molecular Weight	52.7 kDa (Arabidopsis thaliana), 52.5 kDa (cyanobacteria), 52.3 (Chlamydomonas reinhardtii)
NCBI	844754

UniProt	O03042
Purity	Serum
Form	Lyophilized
Antibody Type	Polyclonal Antibody
Application Dilute	Immunofluorescence/confocal microscopy (IF), 1: 1000 (IG), 1: 250 for images see Prins et al. (2008), detailed protocol available on request, 1: 800 (TP), 1: 5000 - 10 000 and more depending upon protein load and detection method (WB)
Application Notes	This antibody was used in:Immunocytochemical staining of diatoms according to Schmid (2003) J Phycol 39: 139-153 and Wordemann et al. (1986) J Cell Biol 102: 1688-1698.Immunofluorescence Dreier et al. (2012). FEMS Microbial Ecol., March 2012.Western blot and tissue printing during a student course Ma et al. (2009).As a loading control Sun et al. (2020).Protocol for Rubisco quantification using this antibody can be found here.