Agrisera
Part of Thermo Fisher Scientific

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS16 4054

Anti-ClpR1 | ATP-dependent Clp protease proteolytic subunit-related protein 1 (chloroplastic)

Product information

Immunogen	BSA-conjugated peptide derived from ClpR1 of *Arabidopsis thaliana*, TAIR: AT1G49970 , UniProt:Q9XJ35
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store 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 : 500 (WB)
Expected | apparent MW	42 | 28 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica napus, Citrus sinensis, Daucus carota subsp. sativus, Eucalyptus grandis, Spinacia oleracea* Species of your interest not listed? Contact us
Not reactive in	*Zea mays*
Additional information	For western blot detection image refer to the article below
Selected references	Lee & Back . (2021) Melatonin Regulates Chloroplast Protein Quality Control via a Mitogen-Activated Protein Kinase Signaling Pathway. Antioxidants. 2021; 10(4):511. https://doi.org/10.3390/antiox10040511 Sjögren et al. (2004). Inactivation of the clpC1 gene encoding a chloroplast Hsp100 molecular chaperone causes growth retardation, leaf chlorosis, lower photosynthetic activity, and a specific reduction in photosystem content. Plant Physiol. 2004 Dec;136(4):4114-26. Epub 2004 Nov 24.