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Product no **AS16 4052**

ClpP5 | ATP-dependent Clp protease proteolytic subunit 5 (chloroplatic)

Product information

Background	ClpP5 (ATP-dependent Clp protease proteolytic subunit 5, chloroplatic) is a nuclear encoded protease involved in the degradation of misfolded proteins. Alternative names: ClpP5, nClpP5.
Immunogen	BSA-conjugated peptide derived from ClpP5 of <i>Arabidopsis thaliana</i> , TAIR: AT1G02560 ,UniProt: Q9S834 .
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 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.
Tested applications	Western blot (WB)
Related products	AS16 4049 Anti-ClpP1 ATP-dependent Clp protease proteolytic subunit 1, chloroplatic, rabbit antibodies AS16 4050 Anti-ClpP3 ATP-dependent Clp protease proteolytic subunit 3, chloroplatic, rabbit antibodies AS16 4051 Anti-ClpP4 ATP-dependent Clp protease proteolytic subunit 3, chloroplatic, rabbit antibodies AS16 4053 Anti-ClpP6 ATP-dependent Clp protease proteolytic subunit 6, chloroplatic, rabbit antibodies Plant protein extraction buffer Secondary antibodies

Application information

Recommended dilution	1 : 1000 (WB)
Expected apparent MW	32 22.5 kDa
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Ananas comosus</i> , <i>Beta vulgaris</i> , <i>Brachypodium distachyon</i> , <i>Brassica napus</i> , <i>Cajanus cajan</i> , <i>Capsella rubella</i> , <i>Carica papaya</i> , <i>Citrus sinensis</i> , <i>Cucumis sativus</i> , <i>Daucus carota subsp. sativus</i> , <i>Erythranthe guttata</i> , <i>Eucalyptus grandis</i> , <i>Genlisea aurea</i> , <i>Glycine max</i> , <i>Gossypium raimondii</i> , <i>Hordeum vulgare</i> , <i>Jatropha curcas</i> , <i>Marchantia polymorpha subsp. polymorpha</i> , <i>Medicago truncatula</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Phaseolus vulgaris</i> , <i>Physcomitrella patens</i> , <i>Populus trichocarpa</i> , <i>Prunus persica</i> , <i>Ricinus communis</i> , <i>Setaria italica</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Spinacia oleracea</i> , <i>Theobroma cacao</i> , <i>Triticum aestivum</i> , <i>Zea mays</i> , <i>Zostera marina</i> , <i>Vitis vinifera</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Additional information	For western blot detection image refer to the article below. For high resolution images, please visit the specific product page at www.agrisera.com
Selected references	Zheng et al. (2002). Characterization of Chloroplast Clp proteins in Arabidopsis: Localization, tissue specificity and stress responses. <i>Physiol Plant</i> . 2002 Jan;114(1):92-101.

For high resolution images, please visit the specific product page at www.agrisera.com