

# Agrisera

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Product no **AS08 346**

## HSP90-1 | heat shock protein 90-1

### Product information

<b>Immunogen</b>	Full length recombinant Hsp90-1 from <i>Arabidopsis thaliana</i> , UniProt: <a href="#">P27323-1</a> , TAIR: <a href="#">AT5G52640</a> .
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water.
<b>Storage</b>	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.
<b>Additional information</b>	Antibody is recognizing both, heat inducible Hsp90-1 and constitutive isoform Hsp90-2. Both proteins have ca. 85 % similarity.  This product can be sold containing ProClin if requested

### Application information

<b>Recommended dilution</b>	1 : 3000 (WB)
<b>Expected   apparent MW</b>	80.6   95 kDa ( <i>Arabidopsis thaliana</i> )
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Brachypodium distachyon</i> , <i>Fagopyrum esculentum</i> , <i>Hordeum vulgare</i> , <i>Salicornia</i> sp., <i>Solanum lycopersicum</i> , <i>Zea mays</i> , <i>Vicia faba</i>
<b>Predicted reactivity</b>	<i>Chlamydomonas</i> sp. UWO241, <i>Glycine max</i> , <i>Micromonas pulsilla</i> , <i>Nicotiana benthamina</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Ostreococcus lucimarinus</i> , <i>Physcomitrella patens</i> , <i>Populus balsamifera</i> , <i>Ricinus communis</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Triticum aestivum</i> , <i>Zea mays</i> , <i>Vitis vinifera</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known.
<b>Selected references</b>	<a href="#">Plazek</a> et al. (2020). Synthesis of heat-shock proteins HSP-70 and HSP-90 in flowers of common buckwheat ( <i>Fagopyrum esculentum</i> ) under thermal stress. <i>Crop and Pasture Science</i> , 71(8), 760-767, July 2020 <a href="#">Esteve-Bruna</a> et al. (2020). Prefoldins Contribute to Maintaining the Levels of the Spliceosome LSM2-8 Complex Through Hsp90 in <i>Arabidopsis</i> . <i>Nucleic Acids Res.</i> 2020 May 12;gkaa354. doi: 10.1093/nar/gkaa354. <a href="#">Sadura</a> et al. (2020). HSP Transcript and Protein Accumulation in Brassinosteroid Barley Mutants Acclimated to Low and High Temperatures. <i>Int J Mol Sci.</i> 2020 Mar 10;21(5):1889. doi: 10.3390/ijms21051889. <a href="#">Gorovits</a> et al. (2020). Pharmaceuticals in treated wastewater induce a stress response in tomato plants. <i>Sci Rep.</i> 2020 Feb 5;10(1):1856. doi: 10.1038/s41598-020-58776-z. <a href="#">Sedaghatmehr</a> et al. (2019). A regulatory role of autophagy for resetting the memory of heat stress in plants. <i>Plant Cell Environ.</i> 2019 Mar;42(3):1054-1064. doi: 10.1111/pce.13426.