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Product no AS08 346

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

Product information

Immunogen	Full-length recombinant Hsp90-1 from *Arabidopsis thaliana,* UniProt: P27323-1, TAIR: AT5G52640. Cytoplasmic isoform.
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.
Additional information	Antibody is recognizing both, heat inducible Hsp90-1 and constitutive isofrom Hsp90-2. Both proteins have ca. 85% similarity. This product can be sold containing ProClin if requested

Application information

Recommended dilution	1 : 3000 (WB)
Expected | apparent MW	80.6 | 95 kDa (*Arabidopsis thaliana*)
Confirmed reactivity	*Arabidopsis thaliana, Brachypodium distachyon, Brassica napus, Chlamydomonas* sp. UWO241*, Fagopyrum esculentum, Hordeum vulgare, Salicornia* sp.*, Solanum lycopersicum, Zea mays, Vicia faba*
Predicted reactivity	*Fraxinus sp., Glycne max, Linum usitatisimum, Micromonas pulsilla, Musa acuminata, Nicotiana benthamina, Nicotiana tabacum, Oryza sativa, Ostreococcus lucimarinus, Physcomitrium patens, Populus balsamifera, Ricinus communis, Solanum tuberosum, Sorghum bicolor, Triticum aestivum, Zea mays, Vitis vinifera* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Szaker et al. (2025). Transcription fidelity and control of alternative splicing contribute to heat stress survival in Arabidopsis. Plant Cell. 2025 Oct 28:koaf256.doi: 10.1093/plcell/koaf256. Silvestre et al. (2025). A Holistic Investigation of Arabidopsis Proteomes Altered in Chloroplast Biogenesis and Retrograde Signalling Identifies PsbO as a Key Regulator of Chloroplast Quality Control. Plant Cell Environ. 2025 Aug;48(8):6373-6396. doi: 10.1111/pce.15611. Vuković et al. (2024). Heat Priming Modifies Heat Stress Response in BPM1-Overexpressing Arabidopsis thaliana (L.) Heynh. J Olant Growth Regulation. https://doi.org/10.1007/s00344-024-11337-4. Llamas et al. (2023). In planta expression of human polyQ-expanded huntingtin fragment reveals mechanisms to prevent disease-related protein aggregation. Nat Aging. 2023 Nov;3(11):1345-1357.doi: 10.1038/s43587-023-00502-1. Kis et al. (2023). Targeted mutations in the GW2. 1 gene modulate grain traits and induce yield loss in barley. Plant Science Available online 27 December 2023, 111968. Szadeczky-Kardoss et al. (2022) Elongation factor TFIIS is essential for heat stress adaptation in plants. Nucleic Acids Res. 2022 Feb 28;50(4):1927-1950. doi: 10.1093/nar/gkac020. PMID: 35100405; PMCID: PMC8886746. Bychkov et al. (2022) The role of PAP4/FSD3 and PAP9/FSD2 in heat stress responses of chloroplast genes. Plant Sci. 2022 Sep;322:111359. doi: 10.1016/j.plantsci.2022.111359. Epub 2022 Jun 20. PMID: 35738478. Cvetkovska et al. (2022) A constitutive stress response is a result of low temperature growth in the Antarctic green alga Chlamydomonas sp. UWO241. Plant, Cell & Environment, 45, 156– 177. https://doi.org/10.1111/pce.14203 Mishra et al. (2021) Interplay between abiotic (drought) and biotic (virus) stresses in tomato plants. Mol Plant Pathol. 2021 Dec 30. doi: 10.1111/mpp.13172. Epub ahead of print. PMID: 34970822. Shteinberg et al. (2021) Tomato Yellow Leaf Curl Virus (TYLCV) Promotes Plant Tolerance to Drought. Cells. 2021 Oct 25;10(11):2875. doi: 10.3390/cells10112875. PMID: 34831098; PMCID: PMC8616339.