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Product no AS07 206

Dehydrin (serum)

Product information

Immunogen	KLH-conjugated peptide sequence TGEKKGIMDKIKEKLPGQH of K-segment conserved in a wide range of plant species
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl of sterile, deionized 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 : 1000 (WB)
Expected | apparent MW	9-200 kDa
Confirmed reactivity	*Agostis stolonifera* cv. 'Penncross', *Betula pubescens, Betula pendula, Betual pendula* var. *carelica, Hordeum spontaneum, Larix cajanderi, Malus* spp., *Picea obovata, Picea abies, Picea glauca, Pinus sylvestris, Pinus strobus, Pinus sylvestris, Spinacia oleracea,Triticum aestivum, Vitis vinifera*
Predicted reactivity	*Arabidopsis thaliana, Glycine max, Nicotiana tabacum, Pisum sativum, Hordeum vulgare, Oryza sativa, Populus sp., Zea mays* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	According to Borovskii et al. 2019, dehydrin detection level can be increased by obtaining a thermostable fraction.
Selected references	Vítámvás et al. (2021) Relationship between WCS120 Protein Family Accumulation and Frost Tolerance in Wheat Cultivars Grown under Different Temperature Treatments. Plants (Basel). 2021 May 31;10(6):1114. doi: 10.3390/plants10061114. PMID: 34073120; PMCID: PMC8228299. Kartashov et al. (2021) Quantitative analysis of differential dehydrin regulation in pine and spruce seedlings under water deficit. Plant Physiol Biochem. 2021 Mar 3;162:237-246. doi: 10.1016/j.plaphy.2021.02.040. Epub ahead of print. PMID: 33706184. Vazquez-Hernandez et al. (2020). Functional characterization of VviDHN2 and VviDHN4 dehydrin isoforms from Vitis vinifera (L.): An in silico and in vitro approach. Plant Physiol Biochem. 2021 Jan;158:146-157. doi: 10.1016/j.plaphy.2020.12.003. Epub 2020 Dec 4. PMID: 33310482. Rachenko and Rachenko (2020). The variation of the content of dehydrin proteins in the bark of Malus app. trees differing in winter hardinessin Southern Cisbaikalia conditions . Zemdirbyste-Agriculture, vol. 107, No. 2 (2020), p. 185–190 DOI 10.13080/z-a.2020.107.024. Lv et al. (2018). Characterization of Dehydrin protein, CdDHN4-L and CdDHN4-S, and their differential protective roles against abiotic stress in vitro. BMC Plant Biol. 2018 Nov 26;18(1):299. doi: 10.1186/s12870-018-1511-2.