

product **AS07 206**
Dehydrin

product information

background	Dehydrins are stress proteins involved in formation of plant protective reactions against dehydration. They are normally synthesized in maturing seeds during their dessication, as well as in vegetative tissues of plants treated with abscisic acid or exposed to environmental stress factors that result in cellular dehydration.
immunogen	<u>KLH</u> -conjugated peptide sequence (K-segment) from dehydrin C terminal conserved in a wide range of plant species including <i>Nicotiana tabacum</i> <u>BAD1349</u>
antibody format	rabbit polyclonal serum lyophilized
quantity	200 µl for reconstitution add 200 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)
additional information	to be added when available

application information

recommended dilution	1 : 1000 with standard ECL (WB)
expected apparent MW	9-200 kDa
confirmed reactivity	<i>Pinus sylvestris</i> , <i>Betula sp.</i>
predicted reactivity	dicots including: <i>Arabidopsis thaliana</i> , <i>Glycine max</i> , <i>Nicotiana tabacum</i> , <i>Pisum sativum</i> , monocots including <i>Hordeum vulgare</i> , <i>Oryza sativa</i> , <i>Zea mays</i> , trees: <i>Populus sp.</i>
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	to be added when available
selected references	<u>Petrov</u> et al. (2011). Woody plants of Yakutia and low-temperature stress. Russian Journal of Plant Physiology 58:1011-1019.

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Antibodies for research

This product is **for research use only** (not for diagnostic or therapeutic use)

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