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Product no AS06 175

HSP70B | Stromal alfa-HSP70 (algal)

Product information

Immunogen	Mature HSP70B protein UniProt: A8HYV3, expressed with N- and C-terminal hexahistidine tags in *E. coli*, purified with Ni-NTA
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	100 µl
Reconstitution	For reconstitution add 100 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.

Application information

Recommended dilution	1 : 10 000 (WB)
Expected | apparent MW	71.9 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii, Desmodesmus subspicatus, Physcomitrium patens, Chlorococcum dorsiventrale*
Predicted reactivity	*Dunaliella salina*, Cyanobacteria Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	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 Gonzaga Heredia-Martinez et al. (2018). Chloroplast damage induced by the inhibition of fatty acid synthesis triggers autophagy in Chlamydomonas. Plant Physiol, Sept. 2018. Diaz-Troya et al. (2011). Inhibition of protein synthesis by TOR inactivation revealed a conserved regulatory mechanism of the BiP chaperone in Chlamydomonas. Plant Physiol. Lang et al. (2011).Simultaneous isolation of pure and intact chloroplasts and mitochondria from moss as the basis for sub-cellular proteomics. Plant Cell Rep. 2011 Feb;30(2):205-15.doi: 10.1007/s00299-010-0935-4.