

Product no **AS06 175****Anti-HSP70B | Stromal alfa-HSP70 (algal)****Product information**

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

<b>Recommended dilution</b>	1 : 10 000 (WB)
<b>Expected   apparent MW</b>	71.9 kDa
<b>Confirmed reactivity</b>	<i>Chlamydomonas reinhardtii</i> , <i>Desmodesmus subspicatus</i> , <i>Physcomitrium patens</i> , <i>Chlorococcum dorsiventrals</i>
<b>Predicted reactivity</b>	<i>Dunaliella salina</i> , Cyanobacteria 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="#">Cvetkovska</a> et al. (2022) A constitutive stress response is a result of low temperature growth in the Antarctic green alga <i>Chlamydomonas</i> sp. UWO241. <i>Plant, Cell &amp; Environment</i> , 45, 156–177. <a href="https://doi.org/10.1111/pce.14203">https://doi.org/10.1111/pce.14203</a> <a href="#">Gonzaga Heredia-Martinez</a> et al. (2018). Chloroplast damage induced by the inhibition of fatty acid synthesis triggers autophagy in <i>Chlamydomonas</i> . <i>Plant Physiol</i> , Sept. 2018. <a href="#">Diaz-Troya</a> et al. (2011). Inhibition of protein synthesis by TOR inactivation revealed a conserved regulatory mechanism of the BiP chaperone in <i>Chlamydomonas</i> . <i>Plant Physiol</i> . <a href="#">Lang</a> et al. (2011). Simultaneous isolation of pure and intact chloroplasts and mitochondria from moss as the basis for sub-cellular proteomics. <i>Plant Cell Rep.</i> 2011 Feb;30(2):205-15.doi: 10.1007/s00299-010-0935-4.