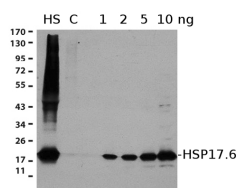


Product no **AS07 254****HSP17,6 | Cytosolic class I heat shock protein 17,6 (rabbit antibody)****Product information**

<b>Immunogen</b>	Recombinant <i>Arabidopsis thaliana</i> Hsp17.6 CI (class one) <a href="#">P13853</a> , <a href="#">At1g53540</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 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.
<b>Additional information</b>	This product can be sold containing ProClin if requested

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	17.6 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Agave tequilana</i> var. Weber, <i>Brassica juncea</i> , <i>Citrus</i> sp., <i>Cucumis sativus</i> , <i>Iris pumilla</i> (perennial monocot), <i>Pinellia ternata</i> , <i>Pinus sylvestris</i> , <i>Silene vulgaris</i> , <i>Solanum tuberosum</i> , <i>Vicia faba</i>
<b>Predicted reactivity</b>	Higher plants, <i>Fraxinus</i> sp., <i>Nicotiana tabacum</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Polyscias elegans</i>
<b>Additional information</b>	There are six total class I genes, Essentially this antibody might react to some extent with all of them, But does not react with class II, organelle, or any other shsp classes
<b>Selected references</b>	<a href="#">Swetha</a> et al. (2021) Single and Combined Salinity and Heat Stresses Impact Yield and Dead Pericarp Priming Activity. <i>Plants</i> (Basel). 2021 Aug 8;10(8):1627. doi: 10.3390/plants10081627. PMID: 34451672; PMCID: PMC8399105. <a href="#">Siddiqui</a> et al. (2020). Melatonin and calcium function synergistically to promote the resilience through ROS metabolism under arsenic-induced stress. <i>Journal of Hazardous Materials</i> Volume 398, 5 November 2020, 122882 <a href="#">McLoughlin</a> et al. (2019) HSP101 Interacts with the Proteasome and Promotes the Clearance of Ubiquitylated Protein Aggregates. <i>Plant Physiol.</i> 2019 Aug;180(4):1829-1847. doi: 10.1104/pp.19.00263 <a href="#">Kato</a> et al. (2019). Induction of the heat shock response in <i>Arabidopsis</i> by chlorinated 1,4-naphthoquinones. <i>Plant Growth Regul</i> (2019). <a href="https://doi.org/10.1007/s10725-019-00477-3">https://doi.org/10.1007/s10725-019-00477-3</a> . <a href="#">Alamri</a> et al. (2018). Nitric oxide-mediated cross-talk of proline and heat shock proteins induce thermotolerance in <i>Vicia faba</i> L. <i>Environmental and Experimental Botany</i> Available online 23 June 2018.

**Application example**

15 µg of total protein from (HS) heat shocked *Arabidopsis thaliana*, (C) *Arabidopsis thaliana* control plants, (1,2,5,10) 1,2,5,10 ng of recombinant purified HSP17.6 were separated on 15%SDS-PAGE and blotted 1h to **nitrocellulose** (Biorad). Blots were incubated in the primary antibody at a dilution of 1: 1000 for 1h at room temperature with agitation and secondary HRP-conjugated antibody (1: 10 000).