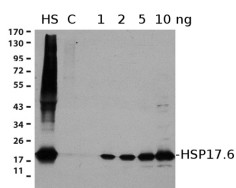


Product no **AS07 254****HSP17,6 | Cytosolic class I heat shock protein 17,6 (rabbit antibody)****Product information**

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

Application information

Recommended dilution	1 : 1000 (WB)
Expected apparent MW	17.6 kDa
Confirmed reactivity	<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>
Predicted reactivity	Higher plants, <i>Fraxinus</i> sp., <i>Nicotiana tabacum</i> Species of your interest not listed? Contact us
Not reactive in	<i>Polyscias elegans</i>
Additional information	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
Selected references	Swetha 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. Siddiqui 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 McLoughlin 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 Kato et al. (2019). Induction of the heat shock response in <i>Arabidopsis</i> by chlorinated 1,4-naphthoquinones. <i>Plant Growth Regul</i> (2019). https://doi.org/10.1007/s10725-019-00477-3 . Alamri 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).