

Datasheet for ABIN249355

**anti-HSP17.6 antibody (Cytoplasmic, Isoform 1)**[Go to Product page](#)**1** Image**4** Publications

## Overview

Quantity:	50 µL
Target:	HSP17.6 (HSP17.6A)
Binding Specificity:	Cytoplasmic, Isoform 1
Reactivity:	Arabidopsis thaliana, Iris, Pinus sylvestris
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	recombinant protein. Arabidopsis thaliana Hsp17.6 Cl (class one) P13853, At1g53540
Predicted Reactivity:	higher plants
Characteristics:	Expected / apparent Molecular Weight of the Antigen: 17.6 kDa
Purification:	serum

## Target Details

Target:	HSP17.6 (HSP17.6A)
Alternative Name:	HSP17.6
Background:	<p>AGI Code: At1g53540</p> <p>Hsp17.6 belongs to a family of class I of a small heat shock proteins. They are induced once a plant cells are stressed by an increased temperature. The way small hsp proteins are protecting a living cell are not fully understood. They seem to be involved in chaperone functions by</p>

## Target Details

protecting other proteins from irreversible denaturation. Small hsp function also in a late seed maturation process.

Molecular Weight: 17.6 kDa

UniProt: [P13853](#)

## Application Details

Application Notes: Recommended Dilution: 1 : 1000 with standard ECL (WB).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: For reconstitution add 200 µL of sterile water.

Handling Advice: 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.  
Once reconstituted make aliquots to avoid repeated freeze-thaw cycles.

Storage: -20 °C

## Publications

Product cited in: Fedoseeva, Rikhanov, Varakina, Rusaleva, Pyatrikas, Stepanov, Fedyaeva: "[Induction of Hsp104 synthesis in *Saccharomyces cerevisiae* is inhibited by the petite mutation in the stationary growth phase]." in: **Genetika**, Vol. 50, Issue 3, pp. 273-81, (2014) ([PubMed](#)).

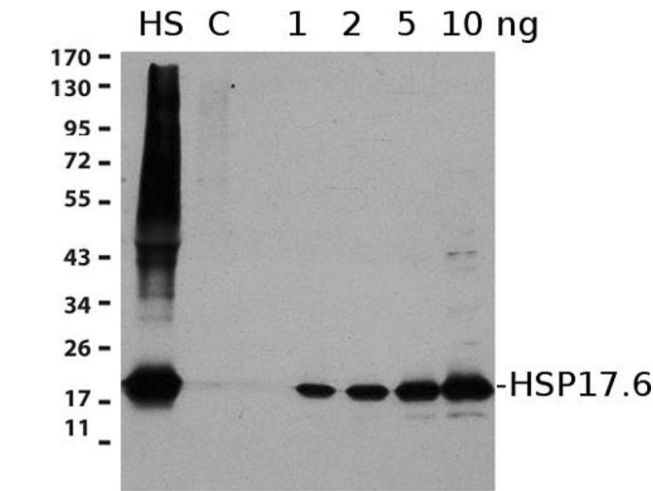
Akashi, Yoshida, Kuwano, Kajikawa, Yoshimura, Hoshiyasu, Inagaki, Yokota: "Dynamic changes in the leaf proteome of a C(3) xerophyte, *Citrullus lanatus* (wild watermelon), in response to water deficit." in: **Planta**, (2011) ([PubMed](#)).

Zhang, Li, Huang, Bi, Chen, Tang, Su, Sun: "Proteomic study of *Carissa spinarum* in response to combined heat and drought stress." in: **Proteomics**, Vol. 10, Issue 17, pp. 3117-29, (2010) ([PubMed](#)).

Banti, Mafessoni, Loreti, Alpi, Perata: "The heat-inducible transcription factor HsfA2 enhances anoxia tolerance in *Arabidopsis*." in: **Plant physiology**, Vol. 152, Issue 3, pp. 1471-83, (2010) (

[PubMed](#)).

Images



Western Blotting

**Image 1.** From left to right: 15 ug of a total protein from HS-heat shocked (38 C for 2 hrs) and C- control plants.