

Product datasheet

Anti-HSP17.7 antibody ab80171

Overview

<b>Product name</b>	Anti-HSP17.7 antibody
<b>Description</b>	Rabbit polyclonal to HSP17.7
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Arabidopsis thaliana
<b>Immunogen</b>	Full length recombinant HSP17.7 produced in <i>E.coli</i> and purified by conventional methods (no affinity tag)
<b>Positive control</b>	Heat shocked (38° C for 2 hours) <i>Arabidopsis thaliana</i> lysate.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	Preservative: None Constituents: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab80171** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		

<b>Application notes</b>	WB: 1/1000 (or 1 µl per 15 µg of heat shocked <i>Arabidopsis thaliana</i> lysate) with ECL. Goat anti rabbit IgG:HRP was used as the secondary antibody. Predicted molecular weight: 18 kDa.
	Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

## Target

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### Relevance

HSP17.7 belongs to the class II family of small heat shock proteins which are induced when plant cells are stressed by increased temperature. Small heat shock proteins appear to be involved in chaperone functions by protecting other proteins from irreversible denaturation. They are also produced late in the seed maturation process.

### Cellular localization

Cytoplasm.

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