

Product no **AS08 290****HSP101 | nuclear/cytoplasmatic heat shock protein****Product information**

<b>Immunogen</b>	15 aa peptide sequence from the C-terminus of <i>Zea mays</i> Hsp101 <a href="#">Q9S822</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µl
<b>Reconstitution</b>	For reconstitution add 200 µl of sterile water
<b>Storage</b>	Store lyophilized at -20°C; once reconstituted to a final volume this antibody can be kept in 4°C for up to one year, in smaller portions to avoid contamination. 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 : 2000 (WB)
<b>Expected   apparent MW</b>	101 kDa
<b>Confirmed reactivity</b>	<i>Agostis stolonifera</i> cv. 'Penncross', <i>Zea mays</i>
<b>Predicted reactivity</b>	Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	<i>Arabidopsis thaliana</i>
<b>Additional information</b>	This antibody will not recognize any other cereal hsp101
<b>Selected references</b>	<p><a href="#">Jespersen</a> et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improving Heat or Drought Stress in Creeping Bentgrass. <i>Front Plant Sci.</i> 2017 Jul 11;8:1224. doi: 10.3389/fpls.2017.01224. eCollection 2017. (western blot, <i>Agostis stolonifera</i> cv. 'Penncross')</p> <p><a href="#">Holding</a> (2011). Pyrophosphate dependent fructose-6-phosphate 1-phosphotransferase induction and attenuation of Hsp gene expression during endosperm modification in Quality Protein Maize. <i>Plant Physiol</i> Dec. 8 (ahead of print).</p> <p><a href="#">Nieto-Sotelo</a> et al. (2002). Maize HSP101 plays important roles in both induced and basal thermotolerance and primary root growth. <i>Plant Cell</i> 14: 1621-1633.</p> <p><a href="#">Nieto-Sotelo</a> et al. (1999). Characterization of a maize heat-shock protein 101 gene, HSP101, encoding a ClpB/Hsp100 protein homologue. <i>Gene</i> 230: 187-195.</p>