

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

Immunogen	15 aa peptide sequence from the C-terminus of <i>Zea mays</i> Hsp101 Q9S822
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 µl of sterile water
Storage	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

Recommended dilution	1 : 2000 (WB)
Expected apparent MW	101 kDa
Confirmed reactivity	<i>Agostis stolonifera</i> cv. 'Penncross', <i>Zea mays</i>
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	<i>Arabidopsis thaliana</i>
Additional information	This antibody will not recognize any other cereal hsp101
Selected references	<p>Jespersen et al. (2017). Metabolic Effects of Acibenzolar-S-Methyl for Improving Heat or Drought Stress in Creeping Bentgrass. Front Plant Sci. 2017 Jul 11;8:1224. doi: 10.3389/fpls.2017.01224. eCollection 2017. (western blot, <i>Agostis stolonifera</i> cv. 'Penncross')</p> <p>Holding (2011). Pyrophosphate dependent fructose-6-phosphate 1-phosphotransferase induction and attenuation of Hsp gene expression during endosperm modification in Quality Protein Maize. Plant Physiol Dec. 8 (ahead of print).</p> <p>Nieto-Sotelo et al. (2002). Maize HSP101 plays important roles in both induced and basal thermotolerance and primary root growth. Plant Cell 14: 1621-1633.</p> <p>Nieto-Sotelo et al. (1999). Characterization of a maize heat-shock protein 101 gene, HSP101, encoding a ClpB/Hsp100 protein homologue. Gene 230: 187-195.</p>