



Datasheet for ABIN249373

anti-Heat-Shock Protein 101 (HSP101) (C-Term) antibody



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1 Publication

Overview

Quantity:	200 µL
Target:	Heat-Shock Protein 101 (HSP101)
Binding Specificity:	C-Term
Reactivity:	Zea mays
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	15 aa peptide sequence from the C-terminus of Zea mays Hsp101 Q9S822
Cross-Reactivity (Details):	Not reactive in: no confirmed exceptions from predicted reactivity known in the moment
Predicted Reactivity:	Zea mays
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 101 kDa
Purification:	serum

Target Details

Target:	Heat-Shock Protein 101 (HSP101)
Alternative Name:	HSP101
Background:	Hsp101/ClpB is a member of HSP100 protein family. These proteins help dissociate protein aggregates formed during heat stress to allow them to be refolded by other

Target Details

chaperones. Besides expression during heat stress, members of HSP100 protein family are also expressed during seed development. Hsp101 protein is both nuclear- and cytoplasmic-localized (1, 2).

Molecular Weight: 101 kDa

UniProt: [Q9S822](#)

Application Details

Application Notes: 1: 2000 with standard ECL (WB)

Comment: this antibody will not recognize any other cereal hsp101

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.

Storage: -20 °C

Storage Comment: 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 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.

Expiry Date: 12 months

Publications

Product cited in: Guo, Ronhovde, Yuan, Yao, Soundararajan, Elthon, Zhang, Holding: "Pyrophosphate-dependent fructose-6-phosphate 1-phosphotransferase induction and attenuation of Hsp gene expression during endosperm modification in quality protein maize." in: **Plant physiology**, Vol. 158, Issue 2, pp. 917-29, (2012) ([PubMed](#)).