

Product: Anti-Hsp101/ClpB N-terminal

Product no: AS07 253

Antibodies for plant sciences

Product Information

Antibody clonality: Polyclonal

Raised in: Rabbit

Purity: Serum

Quantity: 200 µl

Antibody form: Lyophilized. Please, add 200 µl of dest. Water upon reconstitution. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid or lyophilized material adhering to the cap or sides of the tubes.

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 chaperones. In spite of expression during heat stress members of HSP100 protein family are also expressed during seed development. Hsp101 protein is localized in a cytoplasm.

Immunogen: Recombinant protein. *Arabidopsis thaliana* Hsp101/ClpB, N-terminal 145 amino acids. Gene accession number: At1g74310

Storage instructions: -20°C

Make aliquots instead of using the same aliquote.

Application information:

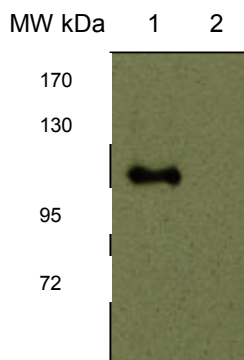
Western Blot: 1: 1 000 with ECL

MW: 101 kDa

Reactivity: *Arabidopsis thaliana*, *Agave tequilana* (monocot)

From left to right: *Arabidopsis thaliana* WT stressed at 38°C for 1.5 hour (1) ; HSP101 null mutant (hot1-3);

2 µg of a total protein extract has been loaded per well



Samples and marker were resolved on 7.5% SDS gels and blotted to nitrocellulose filters (Biorad) using buffers and conditions as described by the manufacturers. Filters were probed with serum diluted 1:1,000 and secondary HRP-conjugated antibody (1:10,000, Abcam) detected by ECL (Thermo Scientific) according to the recommendations of the manufacturers. Image was acquired with indicated exposure time on X-ray film (Kodak).

Antibodies are intended for the research use only not for diagnostic or therapeutic use.

Product support: inquiry@agrisera.com, <http://www.agrisera.com>

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