

Product: Anti-Hsp 16.6 (class I cytosolic)

Product no: AS08 286

Product Information

Antibody clonality: Polyclonal

Raised in: Rabbit

Purity: Serum

Quantity: 100 µl

Antibody form: Lyophilized. Please, add 100 µl of sterile water upon re-constitution. 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.

Storage instructions: +4°C short-term storage.
-20°C or -80°C long term storage (years). Please, avoid freezing and thawing. Make aliquots instead.

Application information:

Western Blot: 1: 5 000 with ECL

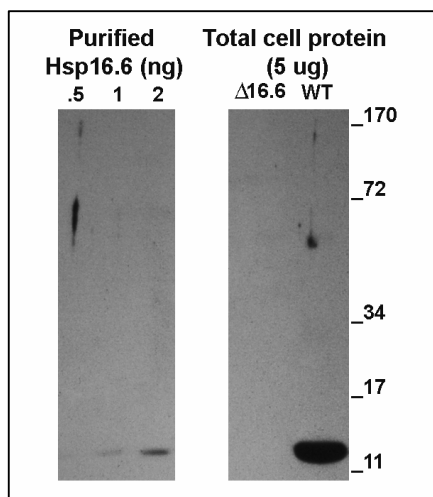
MW: 16.6 kDa (on a gradient gel this protein runs closer to 11 kDa marker)

Reactivity: *Synechocystis* PCC 6803

Background

Hsp16.6 belongs to a family of class I of a small heat shock proteins. They are induced once a cell is stressed by an increased temperature. *Synechocystis* Hsp16.6 is involved in the development of thermotolerance and thylakoid stability. The way small hsp proteins are protecting a living cell are not fully understood. They seem to be involved in chaperone functions by protecting other proteins from irreversible denaturation.

Immunogen: Recombinant protein. *Synechocystis* PCC 6803 Hsp16.6 CI (class one)
Gene accession number: sl1514



From left to right: detection of *Synechocystis* PCC 6803 Hsp16.6 using anti-Hsp16.6 antibodies.
5 µg of a total protein has been loaded per well

Samples and marker were resolved on 9-17 % SDS gradient gel and blotted to nitrocellulose filters (Biorad) using buffers and conditions as described by the manufacturers. Filters were probed with serum diluted 1:5 000 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 1 min exposure time on X-ray film (Kodak).

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

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