

# Anti-DnaJ (Alga)

## Catalog# SPC-300B

Size: 200µL

PO Box 55036, Cadboro Bay  
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This product is for *in vitro* research use only and is not intended for use in humans or animals

# StressMarq

## Biosciences Inc.

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Product	Rabbit anti-DnaJ antibody; polyclonal
Clone	N/A
Immunogen	Recombinant DnaJ of <i>Chlamydomonas reinhardtii</i>
Host and Subclass	Rabbit
Cited Applications	WB
Specificity	~40kDa
Species cross-reactivity	<i>Chlamydomonas reinhardtii</i>
Format	Lyophilized rabbit serum (For reconstitution add 200uL of sterile water)
Working dilution	Recommended dilution for WB 1:5000
Storage and stability	-20°C; 1 year+; shipped on cold packs or ambient

### Scientific Background

DNAJ is a prokaryotic heat shock induced protein from the bacterium *E. coli*, which is under control of the *htpr* regulatory protein (1). DNAJ interacts with the chaperone Hsp70-like DNAK protein to disassemble a

protein complex found at a phage lambda's origin of replication (ORI). DNAJ is also involved in a variety of difference biological processes in a living cell, including protein folding and transport, cell survival at high temperatures, negative autoregulation of the heat shock response, and the replication of bacteriophage lambda and other plasmids (2, 3).

### Selected References

1. Gohre, *et al.* (2006) *The Plant Cell*. 18: 1454-1466.
2. Pellicchia M, Szyperski T., Wall D., Georgopoulos C., and Wuthrich K. (1996) *J Mol Biol*. 260: 236.
3. Szyperski T., Pellicchia M., Wall D., Georgopolous C., and Wuthrich K. (1994) *Proc Nat Acad Sci USA*. 91: 11343.

# Material Safety Data Sheet

## Anti-DNAJ (Polyclonal Antibody) SPC-300

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The below information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StressMarq shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

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### Hazardous Ingredients

The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves and protective clothing. Direct physical contact with this product should be avoided.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
None		

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### Physical Data

This product consists of lyophilized rabbit sera shipped on gel packs. The physical properties of this product have not been investigated thoroughly.

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### Fire and Explosion Hazard and Reactivity Data

NOT APPLICABLE

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### Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

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### Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

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### Spill and Leak Procedures

Observe all federal, state and local environmental regulations.

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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### First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Authorized: StressMarq Biosciences Inc.  
Creation Date: 12/12/2008