



SPECIES REACTIVITY: Mouse HSP25. Endogenous human HSP27 phosphorylated at serine 82 (HeLa cells treated with TNF- α) was weakly detected by this antibody.

CONTROL: NIH3T3 cells treated with anisomycin.

FORMAT: Purified from rabbit serum by epitope-specific affinity chromatography. The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated HSP25 (the mouse homolog of human HSP27). The final product is generated by affinity chromatography using an HSP25-derived peptide that is phosphorylated at serine 86.

PRESENTATION: Dulbecco's phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.3 (+/- 0.1), 50% glycerol with 1.0 mg/mL BSA (IgG, protease free) as a carrier. 0.05% sodium azide

STORAGE/HANDLING: Store at -20°C. We recommend a brief centrifugation before opening to settle vial contents. Then, apportion into working aliquots and store at -20°C. For shipment or short-term storage (up to one week), 2-8°C is sufficient.

REFERENCES: Keezer, S.M., et al. (2003) Angiogenesis inhibitors target the endothelial cell cytoskeleton through altered regulation of heat shock protein 27 and cofilin. *Cancer Res.* 63(19):6405-6412.

Pantos, C., et al. (2003) Thyroxine pretreatment increases basal myocardial heat-shock protein 27 expression and accelerates translocation and phosphorylation of this protein upon ischaemia. *Eur. J. Pharmacol.* 478(1):53-60.

Park, K.J., et al. (2003) Heat shock protein 27 association with the I κ B kinase complex regulates tumor necrosis factor α -induced NF- κ B activation. *J. Biol. Chem.* 278(37):35272-35278.

Rane, M.J., et al. (2003) Heat shock protein 27 controls apoptosis by regulating Akt activation. *J. Biol. Chem.* 278(30):27828-27835.

Geum, D., et al. (2002) Phosphorylation-dependent cellular localization and thermoprotective role of heat shock protein 25 in hippocampal progenitor cells. *J. Biol. Chem.* 277(22):19913-19921.

Garcia, J.G., et al. (2002) Critical involvement of p38 MAP kinase in pertussis toxin-induced cytoskeletal reorganization and lung permeability. *FASEB J.* 16(9):1064-1076.



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com