



Affinity-Purified Rabbit Anti-phospho-HSP27 (S78/S82) Antibody

Specificity: Human phospho-HSP27 (S78/S82)	Size: 0.1 mg
Source: Rabbit	IgG Type: rabbit IgG

Background:

Displays temperature-dependent chaperone activity. According to [Ref.3](#) it acts as a Mn(2+)-dependent serine-threonine-specific protein kinase. We are not convinced that this is its true role.

Other Name: Small stress protein-like protein HSP27

Specificity:

Human: Positive

Application : For western blot analysis, an antibody concentration of 1 µg/ml is recommended

ELISA	Positive
Western blotting	Positive 1 mg/ml
Immunohistochemistry	Positive
Immunoprecipitation	Positive
Flow cytometry	Positive

Isotype: Rabbit IgG

Description: This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding the phospho sites.

Storage: Upon reconstitution, maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C to -70°C. Lyophilized samples are stable for twelve months from the date of receipt when stored at -20°C to -70°C

Format: Purified rabbit monoclonal antibody supplied in PBS with 0.02% (W/V) sodium azide. This antibody is first purified by protein G affinity chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with the control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low salt and neutralized immediately, followed by dialysis against PBS.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

References:

1. [Timmerman V.](#); "Hot-spot residue in small heat-shock protein 22 causes distal motor neuropathy."; [Nat. Genet. 36:597-601\(2004\).](#)
2. [Gu J.](#); "Large-scale cDNA transfection screening for genes related to cancer development and progression."; [Proc. Natl. Acad. Sci. U.S.A. 101:15724-15729\(2004\).](#)
3. [Poustka A.](#); "Towards a catalog of human genes and proteins: sequencing and analysis of 500 novel complete protein coding human cDNAs."; [Genome Res. 11:422-435\(2001\).](#)