

Recombinant HSP27/HSPB1 Monoclonal Antibody

catalog number: **AN300324P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

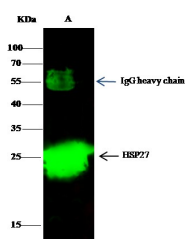
Description

Reactivity	Human
Immunogen	Recombinant Human HSP27 protein
Host	Rabbit
Isotype	IgG
Clone	9F3
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB	1:500-1:2000
IP	1-4 µL/mg of lysate

Data

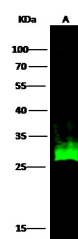


Immunoprecipitation analysis using 2 µL anti-HSP27 Monoclonal Antibody and 15 µL of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using HSP27 Monoclonal Antibody at a dilution of 1:500.

Lane A: 0.5 mg Caco-2 Whole Cell Lysate

Observed-MW: 25 kDa

Calculated-MW: 25 kDa



Western Blot with HSP27 Monoclonal Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 25 kDa

Calculated-MW: 25 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

The heat shock proteins are a highly conserved family of stress response proteins. HSPs function primarily as molecular chaperones, facilitating the folding of other cellular proteins, preventing protein aggregation, or targeting improperly folded proteins to specific degradative pathways. Some HSPs are expressed at low levels under normal physiological conditions but show dramatically increased expression in response to cellular stress, others are constitutively expressed. Specific HSPs play a role in regulating apoptosis by interacting directly with key components of the apoptotic pathway.

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