

## HSP27 polyclonal antibody

Catalog: BS6487

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Hsp27, also referred to as the Estrogen-Regulated 24K protein and HSP28, is one of several small heat shock proteins (HSP) produced by all organisms studied. Hsp27 synthesis is induced by elevated temperature, as well as estrogen in hormone responsive cells. This protein is involved in stress resistance and actin organization. Interestingly, human HSP27 also shares greater than 50% homology with low molecular weight Drosophila HSP's and mammalian  $\alpha$ -crystalline lens protein. Because of the estrogen-responsive nature of Hsp27, this protein has been studied extensively in human estrogen-responsive tissues such as cervix, endometrium and breast tissue. This work has led to the suggestion that Hsp27 may be a useful marker in classifying various hormone sensitive tumors.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 27 kDa

### Swiss-Prot:

P04792

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:2000

IHC: 1:50~1:200

IP 1:50 - 1:100

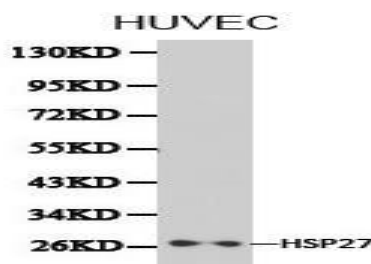
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

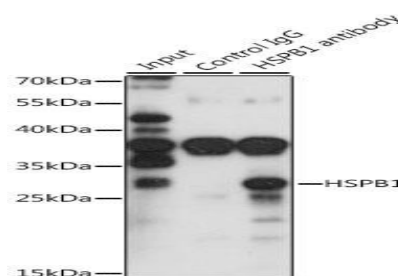
### Specificity:

HSP27 polyclonal antibody detects endogenous levels of HSP27 protein.

### DATA:



WesternBlot (WB) analysis of HSPB1 (Hsp27) polyclonal antibody in extracts from HUVEC cells.



Immunoprecipitation analysis of 200ug extracts of HepG2 cells, using 3 ug HSP27 antibody.

### Note:

For research use only, not for use in diagnostic procedure.

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