

## HSP27 (S9) polyclonal antibody

Catalog: BS1177

Host: Rabbit

Reactivity: Human

### 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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### 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: 1:500~1:1000

IHC: 1:50~1:200

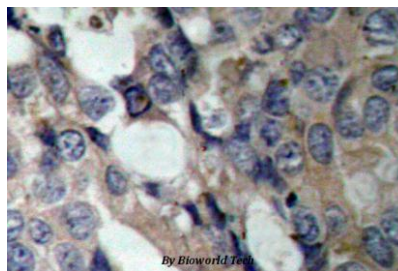
### Storage&Stability:

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

### Specificity:

HSP27 (S9) pAb detects endogenous levels of HSP27 protein.

### DATA:



Immunohistochemistry (IHC) analyzes of HSP27 (S9) pAb in paraffin-embedded human breast carcinoma tissue.

### Note:

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

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