

PRODUCT DATA SHEET



Bioworld Technology, Inc.

HSP27 (R75) pAb

Cat No.: BS3435

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 α -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

Molecular Weight

~27 kDa

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 (Recommended Dilutions)

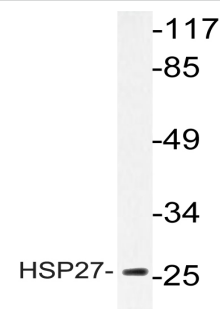
STORAGE & STABILITY

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

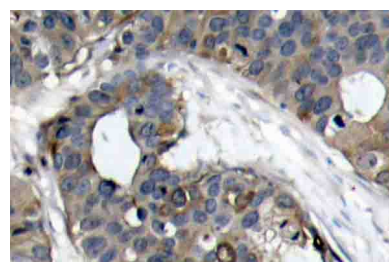
SPECIFICITY

HSP27 (R75) pAb detects endogenous levels of HSP27 protein.

DATA



Western blot (WB) analysis of HSP27 (R75) pAb in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of HSP27 (R75) pAb in paraffin-embedded human breast carcinoma tissue.

RESEARCH USE

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

Bioworld Technology, Inc.

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