

HSP27 monoclonal antibody

Catalog: MB0141

Host: Mouse

Reactivity: Human, Monkey

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:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 23KDa

Observed band size: 27KDa

Swiss-Prot:

P04792

Purification&Purity:

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

Applications:

WB: 1:1000

ICC: 1:100~500

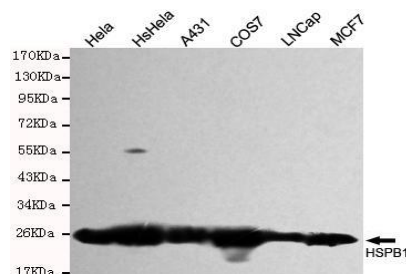
Storage&Stability:

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

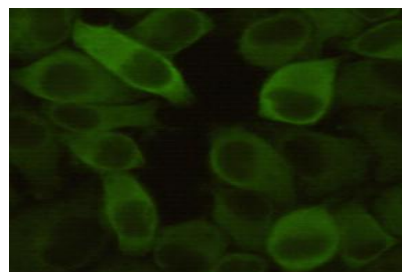
Specificity:

This antibody detects endogenous levels of HSP27 and does not cross-react with related proteins

DATA:



Western blot detection of HSPB1 in HeLa, HsHeLa, A431, COS7, LNCAP&MCF7 cell lysates and using HSPB1 antibody (1:1000 diluted).



Immunocytochemistry stain of HeLa using HSPB1 antibody (1:300).

Note:

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

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