

HSP27 polyclonal antibody

Catalog: BS90668

Host: Rabbit

Reactivity: Human, mouse, rat

BackGround:

Hsp27 is a chaperone of the sHsp (small heat shock protein) group among ubiquitin, α -crystallin, Hsp20 and others. The common functions of sHsps are chaperone activity, thermotolerance, inhibition of apoptosis, regulation of cell development, and cell differentiation. They also take part in signal transduction. Hsp27 appears in many cell types, especially all types of muscle cells. It is located mainly in the cytosol, but also in the perinuclear region, endoplasmic reticulum, and nucleus. It is overexpressed during different stages of cell differentiation and development. This suggests an essential role for Hsp27 in the differentiation of tissues. Probably Hsp27 – among other chaperones – is involved in the process of cell differentiation. Changes of Hsp27 levels were observed in Ehrlich ascite cells, embryonic stem cells, normal B-cells, B-lymphoma cells, osteoblasts, keratinocytes, neurons etc.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

27 kDa

Swiss-Prot:

P04792

Purification&Purity:

Peptide affinity purified

Applications:

WB:1:500

ICC:1:100

IHC:1:200

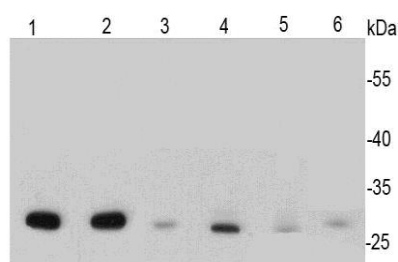
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

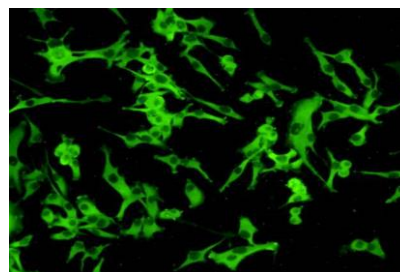
Specificity:

HSP27 polyclonal antibody detects endogenous levels of HSP27 protein.

DATA:



Western blot analysis of Hsp27 on different cell lysates using anti-Hsp27 antibody at 1/500 dilution. Positive control: Lane 1: Hela Lane 2: Jurkat Lane 3: 293 Lane 4: Human kidney Lane 5: Mouse kidney Lane 6: Mouse heart



ICC staining Hsp27 in A172 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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