

HSP27 (7E5) MOUSE MAB

Cat.#: N261083

Product Name: Anti-Hsp27 (7E5) Mouse Monoclonal Antibody

Synonyms: HSPB1; HSP27; HSP28; Heat shock protein beta-1; HspB1; 28 kDa heat shock protein; Estrogen-regulated 24 kDa protein; Heat shock 27 kDa protein; HSP 27; Stress-responsive protein 27; SRP27

UNIPROT ID: P04792

Background: Heat shock protein (HSP) 27 is one of the small HSPs that are constitutively expressed at different levels in various cell types and tissues. Like other small HSPs, HSP27 is regulated at both the transcriptional and posttranslational levels. In response to stress, the HSP27 expression increases several-fold to confer cellular resistance to the adverse environmental change. HSP27 is phosphorylated at Ser15, Ser78, and Ser82 by MAPKAPK-2 as a result of the activation of the p38 MAP kinase pathway.

Immunogen: Purified recombinant human Hsp27 protein fragments expressed in E.coli.

Applications: WB, ICC/IF

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 7E5-1F9-D9

MW: Calculated MW: 23 kDa; Observed MW: 27 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human, Monkey

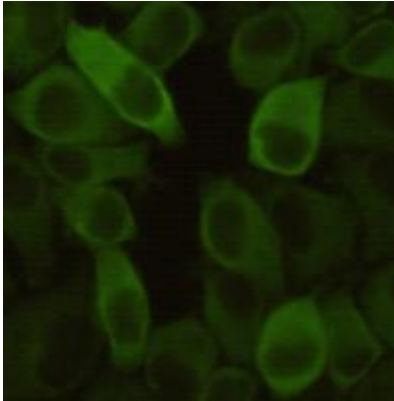
Conjugation: Unconjugated

Modification: Unmodified

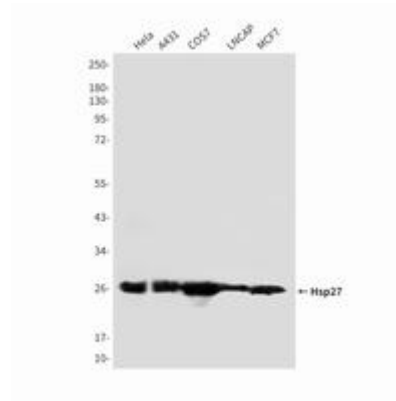
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunocytochemistry analysis of Hsp27 (7E5) in Hela using Hsp27 antibody.



Western blot analysis of Hsp27 in Hela, A431, COS7, Lncap and MCF-7 lysates using Hsp27 antibody.