

## HSP27 (9G1) MOUSE MAB

**Cat.#:** N261367

**Product Name:** Anti-Hsp27 (9G1) 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 protein expressed in E.coli.

**Applications:** WB,IHC-P

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 9G1-4D1-2G2

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

**Isotype:** IgG1

**Purification:** Affinity Purified

**Species Reactivity:** Human

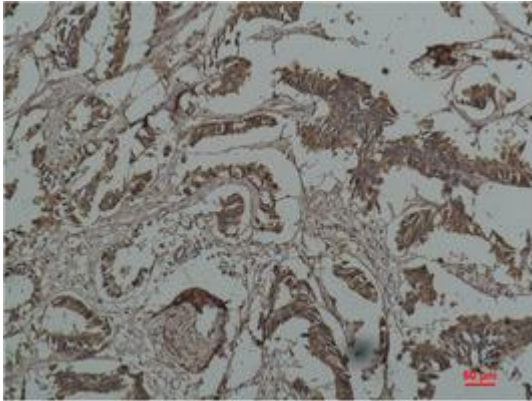
**Conjugation:** Unconjugated

**Modification:** Unmodified

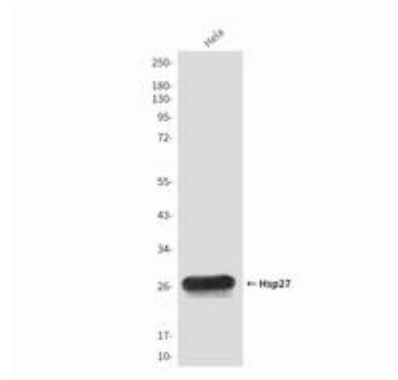
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

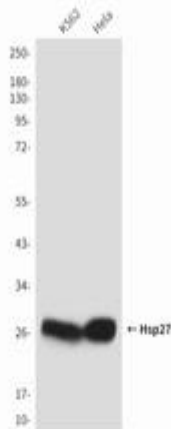
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma using HSP27 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Hsp27 (9G1) in HeLa lysates using Hsp27 (9G1) antibody.



Western blot analysis of Hsp27 (9G1) in K562, HeLa lysates using HSP27 (9G1) antibody.