



HSP70 Mouse Monoclonal Antibody

E10-20421

Background: This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

Catalog Number: E10-20421

Amount: 100µg/100µl

Clone Number: 5A6

Species: Mouse IgG1

MW: 70kDa

Aliases: RY; APG-2; hsp70; hsp70RY; HS24/P52; MGC131852; HSPA4

Entrez Gene: 3308

Immunogen: Purified recombinant fragment of human HSP70 expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at -20 °C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC,IF,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB 1/500 - 1/2000,IHC. 1/200 - 1/1000.IF. 1/200 - 1/1000.ELISA. Propose dilution 1/10000.

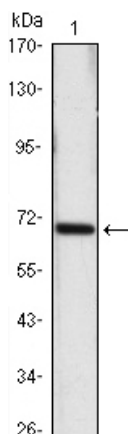


Figure 1. Western blot analysis using HSP70 mouse mAb against HeLa (1) cell lysate.

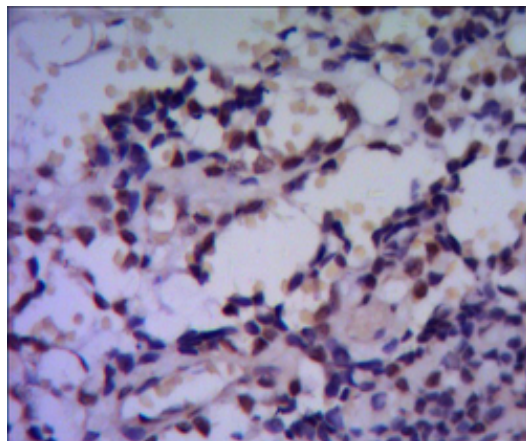


Figure 2. Immunohistochemical analysis of paraffin-embedded human breast cancer using HSP70 mouse mAb with DAB staining.

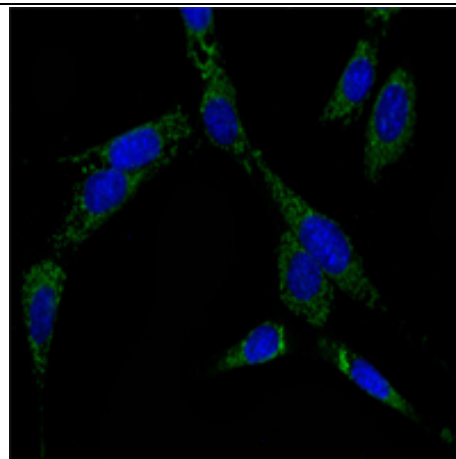


Figure 3. Immunofluorescence analysis of NIH/3T3 cells using HSP70 mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye.