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## 34-1050: Monoclonal Antibody to Heat shock protein 27, HSP27(Clone: 6H11)

Clonality: Monoclonal Clone Name: 6H11

Application: WB, ICC/IF, IHC

Reactivity: Human, unreactive on rodent

 Gene :
 HSPB1

 Gene ID :
 3315

 Uniprot ID :
 P04792

 Format :
 Purified

Alternative Name: 28 kDa heat shock protein, Estrogen-regulated 24 kDa protein, HSP 27, Heat shock 27 kDa

protein, SRP27, Stress-responsive protein 27

**Isotype:** Mouse, IgG1

Immunogen Information: Recombinant full length purified HSP27 from E. coli.

## **Product Info**

**Amount :** 50 μl / 100 μl

Content:

Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody or concentrated tissue

culture supernatant.

Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

WB: 1:10,000. IF/ICC and IHC: 1:1,000.

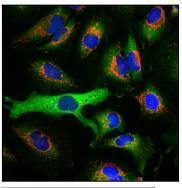


Figure-1: Immunofluorescent analysis of HeLa cells stained with mouse mAb to HSP27,(34-1050), dilution 1:2,000 in green, and costained with chicken pAb to HSP60, dilution 1:2,000 in red. Blue is DAPI staining of nuclear DNA. The (34-1050) antibody produces strong cytoplasm staining, while the HSP60 antibody specifically labels mitochondria.

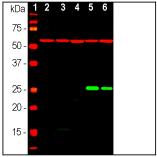


Figure-2: Western blot analysis of different tissue or whole cell lysates using mouse mAb to HSP27,(34-1050), dilution 1:10,000, in green. [1] protein standard (red), [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa, [7] SH-SY5Y cells. Strong single band at ~27kDa corresponds to HSP27 protein, detected only in human cell lines, since this antibody is human specific. The blot was simultaneously probed with rabbit pAb to HSP60, dilution 1:5,000 in red. A strong 60kDa band is present in all preparations.