

### 36-1241: Monoclonal Antibody to HSP27 (Heat Shock Protein 27)(Clone : HSPB1/774)

|                                |                                 |
|--------------------------------|---------------------------------|
| <b>Clonality :</b>             | Monoclonal                      |
| <b>Clone Name :</b>            | HSPB1/774                       |
| <b>Application :</b>           | FACS,IF,WB,IHC                  |
| <b>Reactivity :</b>            | Human, Rat, Mouse               |
| <b>Gene :</b>                  | HSPB1                           |
| <b>Gene ID :</b>               | 3315                            |
| <b>Uniprot ID :</b>            | P04792                          |
| <b>Format :</b>                | Purified                        |
| <b>Alternative Name :</b>      | HSPB1,HSP27,HSP28               |
| <b>Isotype :</b>               | Mouse IgG1, kappa               |
| <b>Immunogen Information :</b> | Recombinant human HSPB1 protein |

#### Description

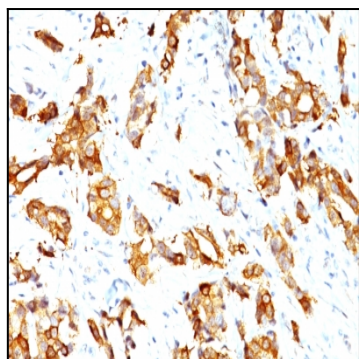
It recognizes a 24-27kDa estrogen-regulated protein, identified as heat shock protein 27 (hsp27). Hsp27 was recently found to be identical to the estrogen-induced p29 and 24K protein. About 50% of breast carcinomas are positive for hsp27 especially those that are also positive for estrogen and/or progesterone receptor. HSP27 has also been implicated in drug resistance in cancer cells.

#### Product Info

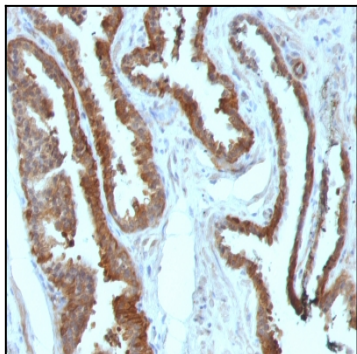
|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | 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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (0.25-0.5ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HSP27 Monoclonal Antibody (HSPB1/774)



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with HSP27 Monoclonal Antibody (HSPB1/774)