

## 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

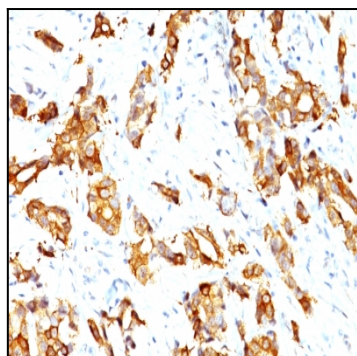
It recognizes a 24-27kDa estrogen-regulated protein, identified as heat shock protein 27 (hsp27). Hsp27 was recently found to be identical to the estrogen-induced p29 and 24K protein. About 50% of breast carcinomas are positive for hsp27 especially those that are also positive for estrogen and/or progesterone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

### Product Info

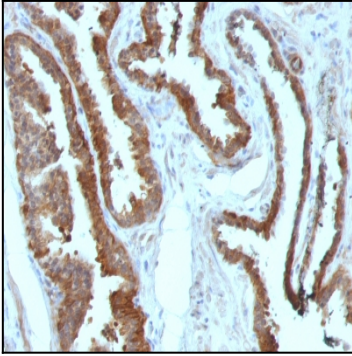
<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid 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)