

### 39-1041: Anti-HSP25 Monoclonal Antibody (Clone: IAP-9)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	IAP-9
<b>Application :</b>	ICC,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	HSPB1
<b>Gene ID :</b>	3315
<b>Uniprot ID :</b>	P42930
<b>Alternative Name :</b>	Heat shock protein beta-1; HspB1; Heat shock 27 kDa protein; HSP 27; Hspb1; Hsp27
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Partially purified inhibitor of actin polymerization(IAP) protein from turkey gizzard smooth muscle.

#### Description

The heat-shock proteins(HSPs) belong to a larger group of polypeptides, the stress proteins, that are induced in various combinations in response to environmental challenges and developmental transitions. Heat-shock 27-kD protein also known as HSPB. Synthesis of the small(27-kD) HSP has been shown to be correlated with the acquisition of thermotolerance. HSP27 gene is mapped to 7q11.23. Mutant small heat-shock protein 27 causes axonal Charcot-Marie-Tooth disease and distal hereditary motor neuropathy. Heat shock protein 27 prevents cellular polyglutamine toxicity and suppresses the increase of reactive oxygen species caused by huntingtin.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100µg/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

#### Application Note

Western blot : 0.5-2µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 1-2µg/ml; Immunohistochemistry(Frozen Section) : 1-2µg/ml; Immunocytochemistry : 1µg/ml