

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

Clonality :	Monoclonal
Clone Name :	IAP-9
Application :	ICC, WB
Reactivity :	Human
Gene :	HSPB1
Gene ID :	3315
Uniprot ID :	P42930
Alternative Name :	Heat shock protein beta-1; HspB1; Heat shock 27 kDa protein; HSP 27; Hspb1; Hsp27
Isotype :	Mouse IgG1
Immunogen Information :	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

Amount :	100 µg/vial
Purification :	Ascites
Content :	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100µg/ml.
Storage condition :	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