

32-5931: Mouse Anti Human Heat Shock Protein 27 (Clone:P2A5AT.)

Clonality :	Monoclonal
Clone Name :	P2A5AT.
Application :	ELISA,WB ,IHC
Gene :	HSPB1
Gene ID :	3315
Uniprot ID :	P04792
Format :	Purified
Alternative Name :	HSPB1,CMT2F,HMN2B,HSP27,HSP28,HSP25,Heat shock protein beta-1,Heat shock 27 kDa protein,Stress-responsive protein 27,SRP27,HS.76067,DKFZp586P1322.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human HSP27 mAb, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human HSP27 amino acids 1-205 purified from E. coli.

Description

HSP27 (also known as the Estrogen-Regulated 24K protein, and hsp 28) is a member of the mammalian small heat shock protein family. Hsp27 is expressed constitutively in many tissues and its expression is increased to high levels after various types of stress including elevated temperatures, toxic metals, drugs and oxidants. Also, Hsp27 is phosphorylated in vivo on three phosphorylation sites (Ser15, Ser78 and Ser82) by protein kinases including MAPKAP kinase 2 and the stress-activated protein kinase SAPK2 (p38).

Product Info

Amount :	20 µg
Purification :	HSP27 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

HSP27 antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:1,000~1:2,000 and immunohistochemistry analysis is 1:50~100. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:50.