

bsm-33241M**[Primary Antibody]****HSP22 Mouse mAb****BioSS**
ANTIBODIES

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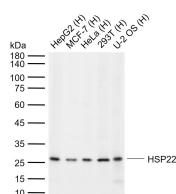
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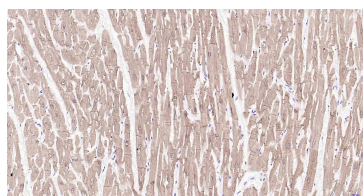
400-901-9800

— DATASHEET —

Host: Mouse	Isotype: IgG	Applications: WB (1:500-1000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human (predicted: Mouse, Rat) Predicted MW.: 22 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Monoclonal	CloneNo.: 4C3	
GeneID: 26353	SWISS: Q9UJY1	
Target: HSP22		
Purification: affinity purified by Protein G		
Concentration: 1mg/ml		
Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Hsp22 (HSPB8) is a 196-amino acid protein that contains a central portion homologous to a highly conserved HSP-alpha crystallin domain common to all the small heat shock protein (HSP20) family members. Hsp22 is a monomeric protein which interacts with HSPB1. It displays temperature-dependent chaperone activity. The highest abundance of Hsp22 is in skeletal muscle, heart, and placenta. Mutations in the HSPB8 gene are associated with the inherited peripheral neuropathies, autosomal dominant distal hereditary motor neuropathy type IIA (dSMA) and axonal Charcot-Marie-Tooth disease type 2L (CMT2L).		

— VALIDATION IMAGES —

Sample: Lane 1: Human HepG2 cell lysates Lane 2: Human MCF-7 cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human 293T cell lysates Lane 5: Human U-2 OS cell lysates Primary: Anti-HSP22 (bsm-33241M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 22 kDa Observed band size: 26 kDa



Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSP22 Monoclonal Antibody, Unconjugated(bsm-33241M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.