



Recombinant HSP27 (Heat Shock Protein 27) Antibody

Rabbit Monoclonal Antibody [Clone HSPB1/9831R]

Catalog No	Format	Size
3315-RBM9-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3315-RBM9-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3315-RBM9-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min 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°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	HSPB1/9831R
Immunogen	Recombinant full-length human Heat Shock Protein 27 (HSP27) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	22.78kDa
Cellular Localization	Cytoplasm, Cytoskeleton, Nucleus, Spindle
Species Reactivity	Human
Positive Control	Detected in all tissues tested: skeletal muscle, heart, aorta, large intestine, small intestine, stomach, esophagus, bladder, adrenal gland, thyroid, pancreas, testis, adipose tissue, kidney, liver, spleen, cerebral cortex, blood serum and cerebrospinal fluid

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant HSP27 (Heat Shock Protein 27) Antibody

Specificity & Comments

Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state (PubMed:10383393, PubMed:20178975). Plays a role in stress resistance and actin organization (PubMed:19166925). Through its molecular chaperone activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins (PubMed:23728742).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.