



Catalog: OM281443

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HSPB1 Antibody, Monoclonal

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☐ 100ug

Product profile

Product name	HSPB1 Antibody, Monoclonal
Antibody Type	Primary Antibodies
Product description	Heat shock protein (HSP) 27 is one of the small HSPs that are constitutively expressed at different levels in different cell types and tissues (this protein has also been referred to as the Estrogen-Regulated 24 kDa protein, hsp25 and hsp28). Like other small heat shock proteins, HSP27 is regulated at both the transcriptional and post-translational level. In response to stress, the expression level of HSP27 increases several-fold to confer cellular resistance to the adverse environmental change. Human HSP27 shares greater than 50% homology with the low molecular weight Drosophila HSP and mammalian crystalline lens protein. Because of the estrogen responsive nature of HSP27, the protein has been extensively studied in human estrogen responsive tissue such as cervix, endometrium and breast tissue. Recently, Hsp27 has been implicated as a regulator of breast tumor blood vessel growth, as an anti-inflammatory agent, and important for sensory neuron survival following axotomy.
Immunogen	Prokaryotic the full length human hsp27 protein.

Key Feature

Clonality	Monoclonal
Isotype	IgG1, κ
Host Species	Mouse
Tested Applications	ELISA ,ICC ,IHC ,IP ,WB
Species Reactivity	Human
Concentration	1 mg/ml
Purification	Protein A

Target Information

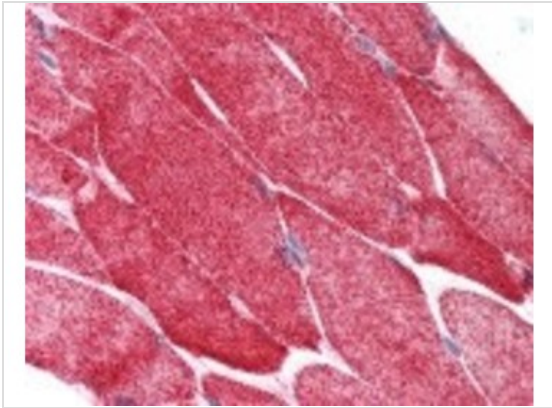
Gene Symbol	HSPB1
Alternative Names	HSPB1, 28 kDa heat shock protein, Heat shock 27 kDa protein, Heat shock 27kD protein 1, Heat shock 27kDa protein 1, HSP27, HSP28, HSP27, Hsp25, GRP27, Stress responsive protein 27, OM285, Heat shock

7 kDa protein 1, HSP27, HSP28, HSP 27, Hsp25, SRP27, Stress-responsive protein 27, CMI 27, Heat shock k 27 kd protein, Heat shock protein beta-1, HMN2B, HS.7606

Database Links

Entrez Gene	3315
Protein Accession	P04792

Application



Application

Immunohistochemistry staining of HSPB1 in skeletal muscle tissue using HSPB1 monoclonal Antibody.

Application Notes HSPB1 antibody can be used in immunohistochemistry starting at 35 µg/mL.:

Additional Information

Form	Liquid
Storage Instructions	Store HSPB1 antibody at 4 °C or -20 °C. As with all antibodies avoid freeze/thaw cycles.
Storage Buffer	0.02 M potassium phosphate, 0.5 M sodium chloride, pH 7.2, 0.01% sodium azide.
Note	The product is for research use only, not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt