

Anti-HSP27 Hspb1 Monoclonal Antibody

Catalog Number: MA1048

About Hspb1

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.

Overview

Product Name	Anti-HSP27 Hspb1 Monoclonal Antibody
Reactive Species	Human, Mouse, Rabbit, Rat
Description	Boster Bio Anti-HSP27 Hspb1 Monoclonal Antibody catalog # MA1048. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rabbit, Rat.
Application	IHC, ICC, WB
Clonality	Monoclonal IAP-9
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P42930

Technical Details

Immunogen	Partially purified inhibitor of actin polymerization (IAP) protein from turkey gizzard smooth muscle.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P), IHC(F) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

Suggested Dilutions

Immunohistochemistry (Paraffin-embedded Section), 1-2ug/ml, Human, mouse, rabbit, rat
Immunocytochemistry , 1ug/ml, Human, mouse, rabbit, rat, -
Immunohistochemistry (Frozen Section), 1-2ug/ml, Human, mouse, rabbit, rat, -
Western blot, 0.5-2ug/ml, Human, mouse, rabbit, rat

Anti-HSP27 Hspb1 Monoclonal Antibody (MA1048) Images



Boster Kit Box

1 Publications Citing This Product

1. PubMed ID: 26117090, Wu Yw, Hao T, Kou Xx, Gan Yh, Ma Xc. Arch Oral Biol. 2015 Sep;60(9):1310-8. Doi: 10.1016/J.Archoralbio.2015.05.011. Epub 2015 Jun 11. Synovial Trpv1 Is Upregulated By 17- β -Estradiol And Involved In Allodynia Of Inflamed Temporomandibular Joints I...

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