

Anti-Hsp27/HSPB1 Antibody Picoband® (monoclonal, 3H3) HRP Conjugated

Catalog Number: M00676-5-HRP

About HSPB1

HSPB1 (Heat shock 27kDa protein 1), also known as HSP27, is a protein that in humans is encoded by the HSPB1 gene. HSP27 gene is mapped to 7q11.23. The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN).

Overview

Product Name	Anti-Hsp27/HSPB1 Antibody Picoband® (monoclonal, 3H3) HRP Conjugated
Reactive Species	Human
Clonality	Monoclonal 3H3
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P04792

Technical Details

Immunogen	E.coli-derived human Hsp27/HSPB1 recombinant protein (Position: M1-K205). Human Hsp27 shares 83% amino acid (aa) sequence identity with mouse Hsp27.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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