

Rabbit anti-Mouse, Rat HSPB7 Polyclonal Antibody | anti-HSPB7 antibody

Anti-HSPB7 Antibody, Rabbit Polyclonal

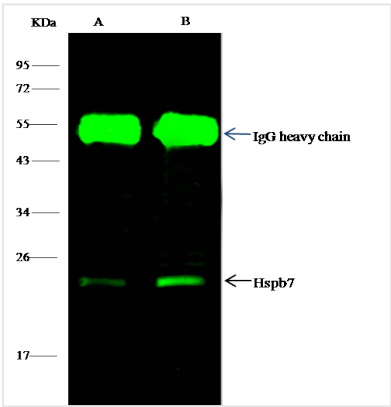
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27732	Rabbit	Mouse, Rat	Western Blot, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

HSPB7; Polyclonal Antibody; Anti-HSPB7 Antibody; Rabbit Polyclonal; HSPB7 Antibody; Rabbit PAb; Antigen Affinity Purified; heat shock protein family B (small member 7; Anti-27kDa Antibody; Anti-cvHsp Antibody; Anti-Hsp25-2 Antibody; anti-HSPB7 antibody

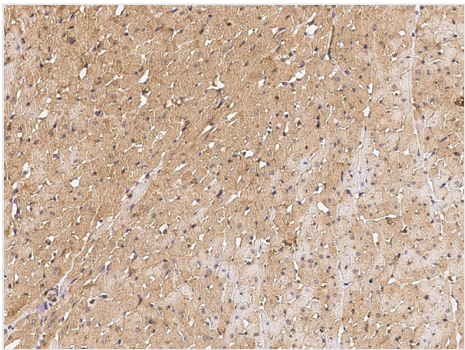
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse HSPB7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HSPB7 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC-P: 1:500-1:2000 IP: 4-8uL/mg of lysate
Immunogen	A synthetic peptide corresponding to the center region of the Mouse HSPB7
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse HSPB7, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



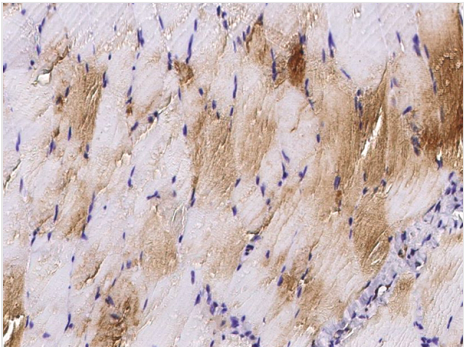
IP (Immunoprecipitation)

Hspb7 was immunoprecipitated using: Lane A:0.5 mg NIH-3T3 Whole Cell Lysate Lane B:0.5 mg A549 Whole Cell Lysate 4 uL anti-Hspb7 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-Hspb7 rabbit polyclonal antibody,at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 19 kDa Observed band size: 22 kDa



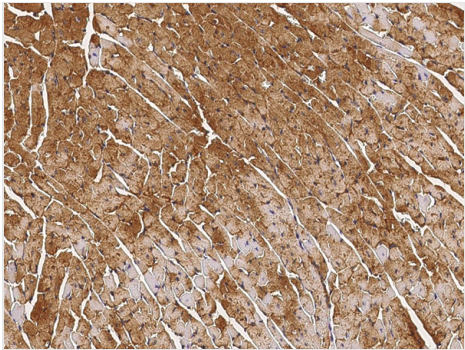
IHC (Immunohistochemistry)

Immunochemical staining Hspb7 in rat heart with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



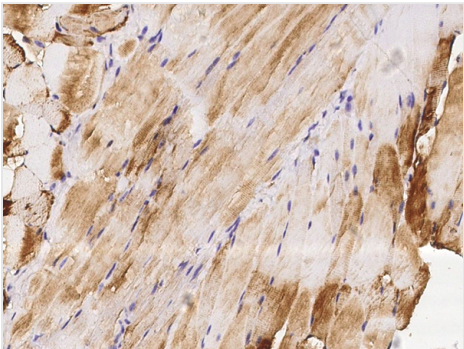
IHC (Immunohistochemistry)

Immunochemical staining Hspb7 in rat skeletal muscle with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



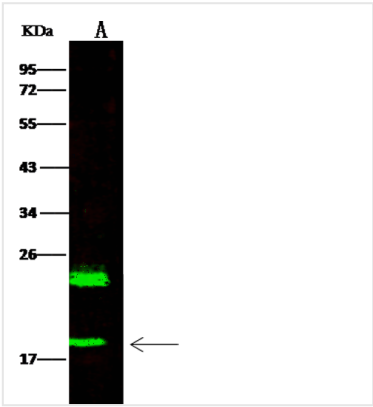
IHC (Immunohistochemistry)

Immunochemical staining Hspb7 in mouse heart with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining Hspb7 in mouse skeletal muscle with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



WB (Western Blot)

Anti-Hspb7 rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse heart tissue lysate Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size:19 kDa Observed band size:19 kDa (We are unsure as to the identity of these extra bands.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPB7 antibody	Small heat shock protein (sHSP)-B7 (HSPB7) is a muscle-specific member of the non-ATP-dependent sHSPs. Small heat shock protein HSPB7 is highly expressed in the heart. Several mutations within HSPB7 are associated with dilated cardiomyopathy and heart failure in human patients. HSPB7 is an intercalated disc protein and it has an essential role in maintaining intercalated disc integrity and conduction function in the adult heart.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542970
NCBI GeneID	29818
NCBI Accession #	NP_038896.2
NCBI GenBank Nucleotide #	NM_013868.4
UniProt Accession #	P35385; Q5FW72; Q8CDI0; Q9QUS2
Molecular Weight	18,635 Da
NCBI Official Full Name	heat shock protein beta-7
NCBI Official Synonym Full Names	heat shock protein family, member 7 (cardiovascular)
NCBI Official Symbol	Hspb7
NCBI Official Synonym Symbols	27kDa; cvHsp; Hsp25-2
NCBI Protein Information	heat shock protein beta-7; protein p19/6.8; cardiovascular heat shock protein; heat shock protein 25 kDa 2 (cardiovascular); heat shock 27kDa protein family, member 7 (cardiovascular)
UniProt Protein Name	Heat shock protein beta-7
UniProt Gene Name	Hspb7
UniProt Synonym Gene Names	Cvhsp; Hsp25-2; HspB7; cvHsp
UniProt Entry Name	HSPB7_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.