Heat Shock Protein Beta 3 (HSPb3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Heat Shock Protein Beta 3 (HSPb3), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Heat Shock Protein Beta 3 (HSPb3)
Product Gene Name	anti-HSPb3 antibody
Product Synonym Names	HSP-B3; HSPL27; HSP27; HSP 17; Heat Shock 27kDa Protein 3; Heat shock 17 kDa protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: HSPb3 (MBS2004752) PE Conjugated Antibody: HSPb3 (MBS2071663)
Matching Pairs	PE Conjugated Antibody: HSPb3 (MBS2071663) Immunogen: HSPb3 (MBS2011834)
Molecular Weight	16,966 Da
OMIM	U15590 mRNA
3D Structure	ModBase 3D Structure for Q12988
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	HSPb3 (Met1~Lys150)
Conjugation	PE
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2004752
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-HSPb3 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-HSPb3 antibody	MBS2071663 is an antibody targeting HSPb3. Also known as PE-Linked Polyclonal Antibody to Heat Shock Protein Beta 3 (HSPb3). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-HSPb3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSPb3. It may not necessarily be applicable to this product.

NCBI GI #	6016270
NCBI GeneID	8988
NCBI Accession #	Q12988.2

UniProt Primary Accession #	Q12988
UniProt Related Accession #	Q12988
NCBI Official Full Name	Heat shock protein beta-3
NCBI Official Synonym Full Names	heat shock protein family B (small) member 3
NCBI Official Symbol	HSPB3
NCBI Official Synonym Symbols	HMN2C; DHMN2C; HSPL27
UniProt Protein Name	Heat shock protein beta-3
UniProt Synonym Protein Names	Heat shock 17 kDa protein; HSP 17; Protein 3
Protein Family	Heat shock protein
UniProt Gene Name	HSPB3
UniProt Synonym Gene Names	HSP27; HSPL27; HspB3; HSP 17
NCBI Protein Information	heat shock protein beta-3
NCBI Summary for HSPb3	This gene encodes a muscle-specific small heat shock protein. A mutation in this gene is the cause of autosomal dominant distal hereditary motor neuropathy type 2C.[provided by RefSeq, Sep 2010]
UniProt Comments for HSPb3	HSPB3: Inhibitor of actin polymerization. Defects in HSPB3 are the cause of distal hereditary motor neuronopathy type 2C (HMN2C). It is a neuromuscular disorder. Distal hereditary motor neuronopathies constitute a heterogeneous group of neuromuscular disorders caused by selective degeneration of motor neurons in the anterior horn of the spinal cord, without sensory deficit in the posterior horn. The overall clinical picture consists of a classical distal muscular atrophy syndrome in the legs without clinical sensory loss. The disease starts with weakness and wasting of distal muscles of the anterior tibial and peroneal compartments of the legs. Later on, weakness and atrophy may expand to the proximal muscles of the lower limbs and/or to the distal upper limbs. Belongs to the small heat shock protein (HSP20) family. Protein type: Heat shock protein Chromosomal Location of Human Ortholog: 5q11.2 Cellular Component: cytoplasm; nucleus Biological Process: response to unfolded protein Disease: Neuronopathy, Distal Hereditary Motor, Type Iic
Research Articles on HSPb3	**1.** HspB3 exhibits chaperone-like activity.
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