HSPB6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSPB6, Polyclonal Antibody
Full Product Name	HSPB6, ID (HSPB6, Heat shock protein beta-6, Heat shock 20kD-like protein p20) (MaxLight 750)
Product Gene Name	anti-HSPB6 antibody
Product Synonym Names	HSPB6; Heat shock protein beta-6; Heat shock 20kD-like protein p20
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,136 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (36245467..36247930, complement). Location: 19q13.12
OMIM	610695
3D Structure	ModBase 3D Structure for O14558
Immunogen	HSPB6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98~128 amino acids from the Central region of human HSPB6.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-HSPB6 antibody	Antibodies; Heat Shock Proteins
Applications Tested/Suitable for anti-HSPB6 antibody	Western Blot (WB), FLISA
Application Notes for anti-HSPB6 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HSPB6 antibody	HSPB6 is associated with actin (see MIM 102540) and modulates smooth muscle relaxation (Tessier et al., 2003 [PubMed 12842460]).
Product References and Citations for anti-HSPB6 antibody	Fuchs, M., et al. Biochem. J. 425(1):245-255(2010). Qian, J., et al. Circ. Res. 105(12):1223-1231(2009). Bagneris, C., et al. J. Mol. Biol. 392(5):1242-1252(2009).
Other Notes	Small volumes of anti-HSPB6 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.

Searchable Terms for HSPB6 purchase	MBS6308714 is an antibody targeting HSPB6. Also known as HSPB6, ID (HSPB6, Heat shock protein beta-6, Heat shock 20kD-like protein p20) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSPB6. It may not necessarily be applicable to this product.

NCBI GI #	21389433
NCBI GeneID	126393
NCBI Accession #	NP_653218.1
UniProt Primary Accession #	O14558
UniProt Secondary Accession #	O14551; Q6NVI3; Q96MG9
UniProt Related Accession #	O14558
GenBank Nucleotide #	NM_144617.2
NCBI Official Full Name	heat shock protein beta-6
NCBI Official Synonym Full Names	heat shock protein, alpha-crystallin-related, B6
NCBI Official Symbol	HSPB6
NCBI Official Synonym Symbols	Hsp20
UniProt Protein Name	Heat shock protein beta-6
UniProt Synonym Protein Names	Heat shock 20 kDa-like protein p20
Protein Family	Heat shock protein
UniProt Gene Name	HSPB6
UniProt Synonym Gene Names	HspB6
UniProt Entry Name	HSPB6_HUMAN
NCBI Protein Information	heat shock protein beta-6; heat shock 20 kDa-like protein p20
NCBI Summary for HSPB6	This locus encodes a heat shock protein. The encoded protein likely plays a role in smooth muscle relaxation. [provided by RefSeq, Jan 2012]
UniProt Comments for HSPB6	HSP20: a small heat shock protein of the HSP20 family. Protein type: Chaperone; Heat shock protein Chromosomal Location of Human Ortholog: 19q13.12 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; protein homodimerization activity; structural constituent of eye lens Biological Process: regulation of muscle contraction
Research Articles on HSPB6	**1.** 14-3-3zeta and possibly other 14-3-3 isoforms may have additional functional roles conducted by the monomeric state
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