

Rabbit anti-Human HSPB8/HSP22 Monoclonal Antibody | anti-HSPB8 antibody

HSPB8/HSP22 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282637	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

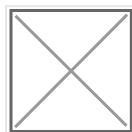
PRODUCT SYNONYMS

HSPB8/HSP22; Monoclonal Antibody; HSPB8/HSP22 Rabbit mAb; H11; HMN2; CMT2L; DHMN2; E2IG1; HMN2A; HSP22; CRYAC; anti-HSPB8 antibody

PRODUCT SPECIFICATIONS

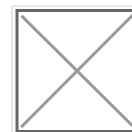
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MADGQMPFSC HYP SRLRRDP FRDSPLSSRL LDDGFGMDPF PDDLTASWPD WALPRLSSAW PGT LRSGMVP RGPTATARFG VPAEGRTPPP FPGE PWKVCV
Applicable Applications for anti-HSPB8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human HSPB8/HSP22 (Q9UJY1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



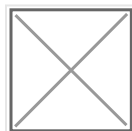
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using HSPB8/HSP22 Rabbit mAb (AAA282637) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using HSPB8/HSP22 Rabbit mAb (AAA282637) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of various lysates using HSPB8/HSP22 Rabbit mAb (AAA282637) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPB8 antibody	The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene is induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease.
Product Categories/Family for anti-HSPB8 antibody	Signal Transduction; Neuroscience; Neurodegenerative Diseases; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13431576
NCBI GeneID	26353
UniProt Accession #	Q9UJY1; Q6FIH3; Q9UKS3; B2R6A6
Molecular Weight	Calculated MW: 22kDa Observed MW: 24kDa
UniProt Protein Name	Heat shock protein beta-8
UniProt Gene Name	HSPB8
UniProt Synonym Gene Names	CRYAC; E2IG1; HSP22; HspB8
UniProt Entry Name	HSPB8_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hspb8-hsp22-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282637>