

HSPB8/HSP22 Antibody

Rabbit mAb

Catalog # AP90939

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q9UJY1
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CMT2L; CRYAC; DHMN2; E2IG1; H11; HMN2; HSPB8; HSP22;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	21604

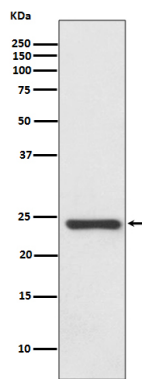
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:100 ICC/IF 1:50~1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human HSPB8/HSP22
Description	HSPB8 (HSP22) is a member of the small heat shock protein superfamily and the human protein is most closely related to HSP27. Similar to most other small HSPs (sHSPs), HSPB8 is predominantly transcribed in skeletal muscle and heart. In a two hybrid screen, HSPB8 interacted preferentially with a triple aspartate form of HSP27 which mimics HSP27 phosphorylated at Ser15, Ser78, and Ser82, as compared to wild-type HSP27.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	HSPB8
Synonyms	CRYAC, E2IG1, HSP22
Function	Involved in the chaperone-assisted selective autophagy (CASA), a crucial process for protein quality control, particularly in mechanical strained cells and tissues such as muscle. Displays temperature-dependent chaperone activity.
Cellular Location	Cytoplasm. Nucleus Note=Translocates to nuclear foci during heat shock
Tissue Location	Predominantly expressed in skeletal muscle and heart.

Images



Western blot analysis of HSPB8/HSP22 expression in Human fetal heart lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.