

Product Datasheet

HSPB8/HSP22 Antibody

Catalog No: CY5940

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: Q9UJY1

All Names: CMT2L; CRYAC; DHMN2; E2IG1; H11; HMN2; HSPB8; HSP22;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 22 kDa

Application

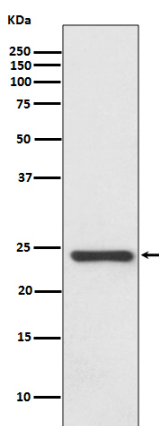
WB 1:500~1:2000

IHC 1:50~1:100

ICC/IF 1:50~1:100

Background

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. HSPB8 has two binding domains (N- and C-terminal) that are specific for different binding partners, and has the ability to bind to itself and other sHSPs such as HSPB7 and HSPB2. The chaperone-like activity is of great importance to the function of HSP22 in various processes including proliferation, apoptosis and macroautophagy.



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

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