abcam

Product datasheet

Anti-Hsp22/HSPB8 antibody ab66063

★★★★★ 2 Abreviews 1 References 1 Image

Overview

Product name	Anti-Hsp22/HSPB8 antibody
Description	Mouse monoclonal to Hsp22/HSPB8
Host species	Mouse
Tested applications	**Suitable for:** ELISA, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Horse, Cow, Dog, Chimpanzee, Rhesus monkey
Immunogen	Recombinant fragment with tag: KVCVNVHSFK PEELMVKTKD GYVEVSGKHE EKQQEGGIVS KNFTKKIQLP AEVDPVTVFA SLSPEGLLII EAPQVPPYST FGESSFNNEL PQDSQEVTCT, corresponding to amino acids 97-197 of Human Hsp22 Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Hsp22 transfected 293T cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG2b

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab66063 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		
WB	★★★★★ (1)	

Application notes

ELISA: Use at an assay dependent dilution. Sandwich ELISA: The detection limit for recombinant tagged Hsp22 is approximately 0.03ng/ml as a capture antibody.
WB: Use at a concentration of 1 - 5 µg/ml. Detects a band of approximately 25 kDa (predicted molecular weight: 22 kDa).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function
Displays temperature-dependent chaperone activity.

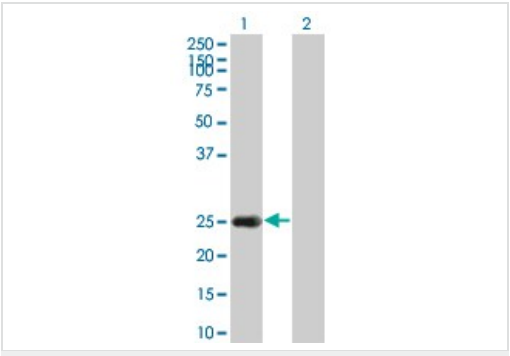
Tissue specificity
Predominantly expressed in skeletal muscle and heart.

Involvement in disease
Neuronopathy, distal hereditary motor, 2A
Charcot-Marie-Tooth disease 2L

Sequence similarities
Belongs to the small heat shock protein (HSP20) family.

Cellular localization
Cytoplasm. Nucleus. Translocates to nuclear foci during heat shock.

Images



Western blot - Anti-Hsp22 antibody (ab66063)

All lanes : Anti-Hsp22/HSPB8 antibody (ab66063) at 1 µg/ml

Lane 1 : Hsp22 transfected 293T cell lysate
Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 50 µg per lane.

Secondary
All lanes : Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Predicted band size: 22 kDa
Observed band size: 25 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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