

Datasheet for ABIN732998
anti-HSPB6 antibody (AA 6-80)



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Overview

Quantity:	100 µL
Target:	HSPB6
Binding Specificity:	AA 6-80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPB6 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSP20
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow
Purification:	Purified by Protein A.

Target Details

Target:	HSPB6
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Target Details

Alternative Name: HSP20 ([HSPB6 Products](#))

Background: Synonyms: Heat Shock Protein 20, FLJ32389, Heat shock 20 kDa like protein p20, Heat shock protein alpha crystallin related B6, Heat shock protein beta 6, Hspb6, HSPB6_HUMAN.

Background: Hsp20 is a small heat shock protein related to Hsp25, Hsp27 and may form different heterocomplexes with these proteins. The specific physiological function of Hsp20 is not yet known. It is distributed ubiquitously in tissues, but is found in higher levels in skeletal, smooth and heart muscle. Under normal conditions, Hsp20 is diffusely distributed in the cytosol, but under heat stress conditions, it translocates to the nucleus. Unlike other heat shock proteins the amount of Hsp20 does not increase after heat shock. The Hsp20 was demonstrated to constitute up to 1.3 % of the total cellular protein in vertebrate tissues, especially in muscle, and its expression is related to muscle contraction, specifically in slow-twitch muscle. Hsp20 may form different heterocomplexes with other Hsp's, such as alpha-crystalline and Hsp25. Phosphorylated form of Hsp20 is proposed to interact with monomeric actin whereas dephosphorylated form binds polymeric actin filaments. In normal conditions Hsp20 is diffusely disturbed in cytosol but under the heat stress it undergoes translocation to membrane fraction.

Gene ID: 126393

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months