



Human HSPB6 (DAG388)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | Heatshock proteins (HSP) are a class of functionally related proteins involved in the folding and unfolding of other proteins. Their expression is increased when cells are exposed to elevated temperatures or other stress. This increase in expression is transcriptionally regulated. The dramatic upregulation of the heat shock proteins is a key part of the heat shock response and is induced primarily by heat shock factor (HSF). HSPs are found in virtually all living organisms, from bacteria to humans. |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. |
| Format | Purified, Liquid |
| Concentration | Lot specific (BCA method) |
| Buffer | 20 mM Tris/acetate, pH 7.6 containing 10 mM NaCl, 0.1 mM EDTA, 0.1 mM PMSF and 15 mM beta-mercaptoethanol |
| Preservative | None |
| Storage | 2-8°C short term, -20°C long term |

BACKGROUND

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| Introduction | HSPB6 (heat shock protein, alpha-crystallin-related, B6) is a protein-coding gene. Diseases associated with HSPB6 include hereditary cerebral hemorrhage with amyloidosis, and cerebral hemorrhage. GO annotations related to this gene include structural constituent of eye lens and protein homodimerization activity. An important paralog of this gene is HSPB1. |
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Keywords

HSPB6; heat shock protein, alpha-crystallin-related, B6; p20; Hsp20; heat shock protein beta-6; heat shock 20-kDa protein; heat shock 20 kDa-like protein p20;
