



## Rabbit polyclonal antibody to human Heat Shock 70 kDa Protein 1 (469-487): Affinity purified

<b>Catalogue No.:</b>	R-1149-100
<b>Description:</b>	Heat Shock 70 kDa protein 1 belongs to the Heat Shock protein 70 family. This chaperone protein is expressed in response to heat shock and stabilizes existing proteins against aggregation as well as mediating the folding of newly translated proteins.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (RGVPQIEVTFDIDANGILN) corresponding to a region (469-487) from human Heat Shock 70 kDa Protein 1. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	Heat shock 70 kDa protein 1; HSP70.1; HSP70-1; HSP70-2; HSPA1A; HSPA1; HSPA1B; FLJ54328;
<b>Accession:</b>	P08107 HSP71_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human Heat Shock 70 kDa Protein 1 has a predicted length of 641 residues and MW of 70 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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