



Rabbit Anti-HSPA7 antibody

SL18083R

Product Name:	HSPA7
Chinese Name:	热休克蛋白70蛋白7抗体
Alias:	Heat shock 70 kDa protein B; Heat shock 70kDa protein 7 (HSP70B); HSP70B; Putative heat shock 70 kDa protein 7.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HSPA7:101-200/367
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, including the assembly and sequestering of multi-protein complexes, the transportation of nascent polypeptide chains across cellular membranes and the regulation of protein folding. HSPA7 (heat shock 70kDa protein 7), also known as HSP70B, is a 367 amino acid protein belonging to the heat shock protein 70 family, and like other HSP proteins, mediates protein folding within

the cytosol, as well as within other organelles throughout the cell. The gene encoding HSPA7 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

Function:

Heat shock 70kDa protein 7 may play a role in ATP binding as part of the stress response.

Similarity:

Belongs to the heat shock protein 70 family.

SWISS:

P48741

Gene ID:

3311

Database links:

[Entrez Gene: 3311](#) Human

[Omim: 140556](#) Human

[SwissProt: P48741](#) Human

[Unigene: 662180](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.