



## Rabbit Anti-HSPA1L antibody

SL18079R

<b>Product Name:</b>	HSPA1L
<b>Chinese Name:</b>	热休克蛋白70样蛋白抗体
<b>Alias:</b>	Heat shock 70 kDa protein 1 Hom; Heat shock 70 kDa protein 1 like; Heat shock 70 kDa protein 1-Hom; Heat shock 70 kDa protein 1-like; Heat shock 70 kDa protein 1L; Heat shock 70kD protein like 1; HS71L_HUMAN; HSP70 1L; HSP70 HOM; HSP70-Hom; HSPA1L; hum70t; Spermatid specific heat shock protein 70.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Sheep,Xenopus tropicalis
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	70kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HSPA1L:501-600/641
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a 70kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely

related genes which also encode isoforms of the 70kDa heat shock protein. [provided by RefSeq, Jul 2008]

**Function:**

In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage.

**Tissue Specificity:**

Expressed in spermatids.

**Similarity:**

Belongs to the heat shock protein 70 family.

**SWISS:**

P34931

**Gene ID:**

3305

**Database links:**

[Entrez Gene: 540190](#) Cow

[Entrez Gene: 3305](#) Human

[Entrez Gene: 15482](#) Mouse

[Entrez Gene: 100144518](#) Pig

[Entrez Gene: 24963](#) Rat

[Entrez Gene: 779883](#) Xenopus tropicalis

[Omim: 140559](#) Human

[SwissProt: P0CB32](#) Cow

[SwissProt: P34931](#) Human

[SwissProt: P16627](#) Mouse

[SwissProt: A5A8V7](#) Pig

[SwissProt: P55063](#) Rat

[Unigene: 690634](#) Human

[Unigene: 14287](#) Mouse

[Unigene: 187184](#) Rat

**Important Note:**

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