



# Mouse Anti-Human HSPA1L Monoclonal Antibody, clone 2 (CABT-L2057)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Monoclonal Antibody to Heat Shock 70kDa Protein 1 Like Protein (Knockout Validated)
<b>Specificity</b>	The antibody is a mouse monoclonal antibody raised against HSPA1L. It has been selected for its ability to recognize HSPA1L in immunohistochemical staining and western blotting.
<b>Target</b>	HSPA1L
<b>Immunogen</b>	Recombinant fragment corresponding to human HSPA1L (Met1~Asp641)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2
<b>Purification</b>	Protein A + Protein G affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.

<b>Preservative</b>	0.05% Proclin-300
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</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]
<b>Keywords</b>	HSP-A1L;HSPA1-L;HSP70-HOM;Hum70t

## GENE INFORMATION

<b>Gene Name</b>	HSPA1L heat shock 70kDa protein 1-like [ Homo sapiens (human) ]
<b>Official Symbol</b>	HSPA1L
<b>Synonyms</b>	HSPA1L; heat shock 70kDa protein 1-like; HSP70T; hum70t; HSP70-1L; HSP70-HOM; heat shock 70 kDa protein 1-like; heat shock 70 kDa protein 1L; heat shock 70kD protein-like 1; heat shock 10kDa protein 1-like; heat shock 70 kDa protein 1-Hom;
<b>Entrez Gene ID</b>	<a href="#">3305</a>
<b>Protein Refseq</b>	NP_005518
<b>UniProt ID</b>	<a href="#">P34931</a>
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Antigen processing and presentation; Attenuation phase; Cellular response to heat stress; Cellular responses to stress; Endocytosis; Epstein-Barr virus infection; Estrogen signaling pathway; HSF1-dependent transactivation;
<b>Function</b>	ATP binding; protein binding; unfolded protein binding;