



## Anti-HSPA1A (full length) polyclonal antibody (DPAB-DC1621)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. 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. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.
<b>Immunogen</b>	HSPA1A (AAH02453, 1 a.a. ~ 641 a.a) full-length recombinant protein with GST tag. The sequence is  MAKAAAIGIDLGTTYSCGVVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKNQVA LNPQNTVFDAKRLIGRKFGDPVVQSDMKHWPFQVINDGDKPKVQVSYKGETKAFYPEEIS SMVLTKMKEIAEAYLGYPVTNAVITVPAYFNDSQRQATKDAGVIAGLNVRLIINEPTAAA IAYGLDRTGKGERNVLIFDLGGGTFDVSILTIDDGIFEVKATAGDTHLGGEDFDNRLVNH FVEEFKRKHKKDISQNKRRAVRLRTACERAKRTLSSSTQASLEIDSLEFEGIDFYTSITRA RFEELCSDLFRSTLEPVEKALRDAKLDKAQIHDLVGGSTRIPKVQKLLQDFFNGRDLN KSINPDEAVAYGAAVQAAILMGDKSENVQDLLLLDVAPLSLG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol

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<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HSPA1A heat shock 70kDa protein 1A [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	HSPA1A
<b>Synonyms</b>	HSPA1A; heat shock 70kDa protein 1A; HSP72; HSPA1; HSP70I; HSP70-1; HSP70-1A; HEL-S-103; heat shock 70 kDa protein 1A/1B; HSP70-1/HSP70-2; HSP70.1/HSP70.2; heat shock 70kD protein 1A; heat shock-induced protein; heat shock 70 kDa protein 1/2; epididymis secretory protein Li 103; dnaK-type molecular chaperone HSP70-1;
<b>Entrez Gene ID</b>	<a href="#">3303</a>
<b>Protein Refseq</b>	<a href="#">NP_005336</a>
<b>UniProt ID</b>	<a href="#">A8K5I0</a>
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Antigen processing and presentation; Apoptosis Modulation by HSP70; Endocytosis; Epstein-Barr virus infection

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