



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

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	HSPA1A (AAH02453, 1 a.a. ~ 641 a.a) full-length recombinant protein with GST tag. The sequence is MAKAAAIGIDLGTTYSCVGVFQHGKVEIANDQGNRTTPSYVAFTDTERLIGDAAKNQVA LNPQNTVFDAKRLIGRKFGDPVVQSDMKHWPQVINDGDKPKVQVSYKGETKAFYPEEIS SMVLTKMKEIAEAYLGYPVTNAVITVPAYFNDSQRQATKDAGVIAGLNVLRINEPTAAA IAYGLDRTGKGERNVLIFDLGGGTFDVSILTIDDGIFEVKATAGDTHLGGEDFDNRLVNH FVEEFKRKHKKDISQNKRAVRLRTACERAKRTLSSSTQASLEIDSLFEGIDFYTSITRA RFEELCSDLFRSTLEPVEKALRDAKLDKAQIHDLVLVGGSTRIPKVQKLLQDFFNGRDLN KSINPDEAVAYGAAVQAAILMGDKSENVQDLLLLDVAPLSLG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

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

GENE INFORMATION

Gene Name	HSPA1A heat shock 70kDa protein 1A [Homo sapiens (human)]
Official Symbol	HSPA1A
Synonyms	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;
Entrez Gene ID	3303
Protein Refseq	NP_005336
UniProt ID	A8K5I0
Chromosome Location	6p21.3
Pathway	Antigen processing and presentation; Apoptosis Modulation by HSP70; Endocytosis; Epstein-Barr virus infection