



Anti-HSPA1B (aa 531-611) polyclonal antibody (DPAB-DC1623)

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	HSPA1B (NP_005336, 531 a.a. ~ 611 a.a) partial recombinant protein with GST tag. The sequence is VQRERVSAKNALESYAFNMKSAVEDEGLKGKISEADKKKVLDKCQEVISWLDANTLAEKD EFEHKRKELEQVCNPIISGLY
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	HSPA1B heat shock 70kDa protein 1B [Homo sapiens (human)]
Official Symbol	HSPA1B
Synonyms	HSPA1B; heat shock 70kDa protein 1B; HSP70-2; HSP70-1B; heat shock 70 kDa protein 1A/1B; HSP70-1/HSP70-2; HSP70.1/HSP70.2; heat shock 70kD protein 1B; heat shock 70 kDa protein 1/2;
Entrez Gene ID	3304
Protein Refseq	NP_005337
UniProt ID	A8K5I0
Chromosome Location	6p21.3
Pathway	AUF1 (hnRNP D0) destabilizes mRNA; Antigen processing and presentation; Attenuation phase; Cellular responses to stress
Function	ATP binding; ATPase activity; ATPase activity, coupled; double-stranded RNA binding