



Anti-HSPA5 (full length) polyclonal antibody (DPAB-DC1625)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.[provided by RefSeq, Sep 2010]
Immunogen	HSPA5 (AAH20235.1, 19 a.a. ~ 654 a.a) full-length recombinant protein with GST tag. The sequence is EEEDKKEDVGTVVGIDLGTTYSCVGVFKNGRVEIANDQGNRITPSYVAFTPEGERLIGD AAKNQLTSNPENTVFDKRLIGRTWNDPSVQQDIKFLPFKVVVEKTKPYIQVDIGGGQTK TFAPEEISAMVLTKMKETA EAYLGKKVTHAVVTPAYFNDAQRQATKDAGTIAGLNVMRI INEPTAAAIAYGLDKREGEKNILVFDLGGGTFDVSLLTIDNGVFEVVATNGDTHLGGEDF DQRVMEHFIKLYKKKTGKDVRKDNRAVQKLRREVEKAKRALSSQHQARIEIESFYEGEDF SETLTRAKFEELNMDLFRSTMKPVQKVLEDSDLKKSDIDEIVLVGGSTRIPKIQQLVKEF FNGKEPSRGINPDEAVAYGAAVQAGVLSGDQDTGDLVLLD
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	HSPA5 heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) [Homo sapiens (human)]
Official Symbol	HSPA5
Synonyms	HSPA5; heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa); BIP; MIF2; GRP78; HEL-S-89n; 78 kDa glucose-regulated protein; immunoglobulin heavy chain-binding protein; epididymis secretory sperm binding protein Li 89n; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78;
Entrez Gene ID	3309
Protein Refseq	NP_005338
UniProt ID	P11021
Chromosome Location	9q33.3
Pathway	ATF6-alpha activates chaperone genes; Adaptive Immune System; Antigen processing and presentation; Class I MHC mediated antigen processing &
Function	ATP binding; ATPase activity; calcium ion binding; chaperone binding