

Product datasheet for **TA326377**

Hsp40 (DNAJB1) Rabbit Polyclonal Antibody [Clone ID: N/A]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N/A
Applications:	WB
Recommended Dilution:	WB: 1:1500-2000
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant purified human hsp40
Formulation:	Rabbit antiserum
Concentration:	lot specific
Purification:	Rabbit antiserum
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	DnaJ heat shock protein family (Hsp40) member B1
Database Link:	NP_006136 Entrez Gene 81489 Mouse Entrez Gene 361384 Rat Entrez Gene 718890 Monkey Entrez Gene 3337 Human P25685



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Background:

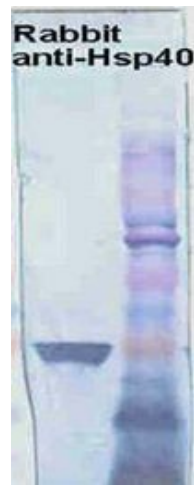
DnaJ/Hsp40 proteins have been preserved throughout evolution and are important for protein translation, folding, unfolding, translocation, and degradation, primarily by stimulating the ATPase activity of chaperone proteins, Hsp70s. Because the ATP hydrolysis is essential for the activity of Hsp70s, DnaJ/Hsp40 proteins actually determine the activity of Hsp70s by stabilizing their interaction with substrate proteins. DnaJ/Hsp40 proteins all contain the J domain through which they bind to Hsp70s. Hsp40, also known as HDJ1, is a basic mammalian 40kDa heat shock protein which is not only homologous to the bacterial heat shock protein (DnaJ), but also yeast DnaJ-related proteins such as SCJ1, Sec63/Npl1, YDJ1 and SIS1. Hsp 40 is inducible by stress including heat after which it moves from the cytoplasm to the nucleus and nucleoli; an intracellular pattern similar to Hsc70/Hsp70, the mammalian homologues of the bacterial heat shock protein, DnaK.

Synonyms:

Hdj1; Hsp40; HSPF1; RSPH16B; Sis1

Note:

Detects an ~40kDa protein corresponding to the molecular mass of Hsp40 on SDS PAGE immunoblots. Also detects recombinant Hsp40.

Product images:

Western blot analysis of Hsp40 in HeLa cell lysates using a 1:1000 dilution of the antibody