

KD-Validated Anti-DNAJB1 mouse monoclonal antibody

Mouse monoclonal antibody

Catalog # AGI1965

Product Information

Application	WB
Primary Accession	P25685
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Names	24GB6700
Calculated MW	38044
Gene Name	DNAJB1
Aliases	DNAJB1; DnaJ Heat Shock Protein Family (Hsp40) Member B1; RSPH16B; Hsp40; HSPF1; Sis1; DnaJ (Hsp40) Homolog, Subfamily B, Member 1; DnaJ Homolog Subfamily B Member 1; Heat Shock 40 KDa Protein 1; DnaJ Protein Homolog 1; Human DnaJ Protein 1; Radial Spoke 16 Homolog B (Chlamydomonas); Radial Spoke 16 Homolog B; Heat Shock Protein 40; DNAJ1; HSP40; HDJ-1; Hdj1; HDJ1
Immunogen	Recombinant protein of human DNAJB1

Additional Information

Gene ID	3337
Other Names	DnaJ homolog subfamily B member 1, DnaJ protein homolog 1, Heat shock 40 kDa protein 1, HSP40, Heat shock protein 40, Human DnaJ protein 1, hDj-1, DNAJB1, DNAJ1, HDJ1, HSPF1

Protein Information

Name	DNAJB1
Synonyms	DNAJ1, HDJ1, HSPF1
Function	Interacts with HSP70 and can stimulate its ATPase activity. Acts also with TTC1 as a chaperone adapter that regulates HSP70- dependent folding process by interacting with the HSP70 amino terminal region (PubMed: 14503850). Stimulates the association between HSC70 and HIP. Negatively regulates heat shock-induced HSF1 transcriptional activity during the attenuation and recovery phase period of the heat shock response (PubMed: 9499401). Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro) (PubMed: 24318877).
Cellular Location	Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock

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