

KD-Validated Anti-DNAJB1 mouse monoclonal antibody
Mouse monoclonal antibody
Catalog # AGI1965**Specification****KD-Validated Anti-DNAJB1 mouse monoclonal antibody - Product Information**

Application	WB
Primary Accession	P25685
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Calculated MW	Predicted, 38 kDa, observed, 38 kDa kDa
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

KD-Validated Anti-DNAJB1 mouse monoclonal antibody - Additional InformationGene 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

KD-Validated Anti-DNAJB1 mouse monoclonal antibody - Protein Information**Name** DNAJB1**Synonyms** DNAJ1, HDJ1, HSPF1**Function**

Interacts with HSP70 and can stimulate its ATPase activity. 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

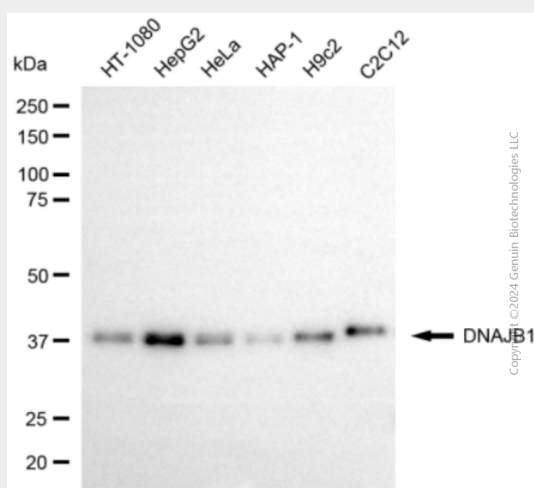
nucleus, and especially to the nucleoli, upon heat shock

KD-Validated Anti-DNAJB1 mouse monoclonal antibody - Protocols

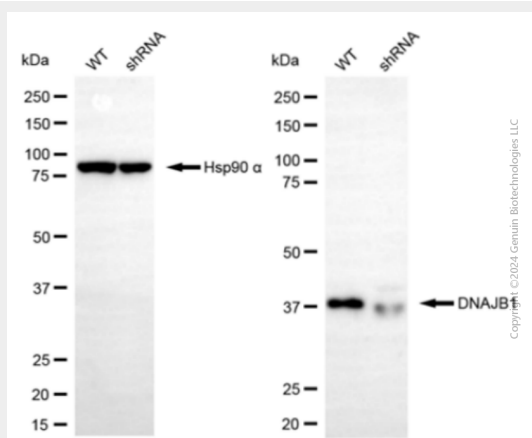
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-DNAJB1 mouse monoclonal antibody - Images



Western blotting analysis using anti-DNAJB1 antibody (Cat#AGI1965). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-DNAJB1 antibody (Cat#AGI1965, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-DNAJB1 antibody (Cat#AGI1965). DNAJB1 expression in wild type (WT) and DNAJB1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α

serves as a loading control. The blot was incubated with anti-DNAJB1 antibody (Cat#AGI1965, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.