

**DATASHEET**

**DNAJB9 Rabbit Polyclonal Antibody**

CAT. NO. APA13117

**KEY FEATURES**

Target	DNAJB9	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

Co-chaperone for Hsp70 protein HSPA5/BiP that acts as a key repressor of the ERN1/IRE1-mediated unfolded protein response (UPR). J domain-containing co-chaperones stimulate the ATPase activity of Hsp70 proteins and are required for efficient substrate recognition by Hsp70 proteins. J domain-containing co-chaperones stimulate the ATPase activity of Hsp70 proteins and are required for efficient substrate recognition by Hsp70 proteins. In the unstressed endoplasmic reticulum, interacts with the luminal region of ERN1/IRE1 and selectively recruits HSPA5/BiP: HSPA5/BiP disrupts the dimerization of the active ERN1/IRE1 luminal region, thereby inactivating ERN1/IRE1. Also involved in endoplasmic reticulum-associated degradation (ERAD) of misfolded proteins.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
----	----------------

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

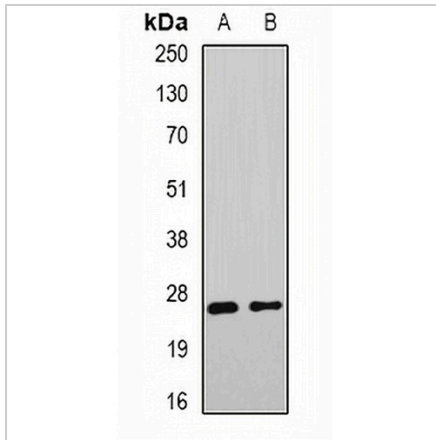
Description	Rabbit polyclonal antibody to DNAJB9
Specificity	Recognizes endogenous levels of DNAJB9 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DNAJB9
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 25 kD; Observed: 25 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	MDG1; Dnaj homolog subfamily B member 9; Endoplasmic reticulum DNA J domain-containing protein 4; ER-resident protein ERdj4; ERdj4; Microvascular endothelial differentiation gene 1 protein; Mdg-1
Gene Symbol	DNAJB9
Entrez Gene	4189(Human); 27362(Mouse); 24908(Rat)
SwissProt	Q9UBS3(Human); Q9QYI6(Mouse); P97554(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****DNAJB9 Rabbit Polyclonal Antibody**

CAT. NO. APA13117

**DATA**

Western blot analysis of DNAJB9 expression in mouse liver (A), rat liver (B) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.