

DATASHEET

DNAJB14 Rabbit Polyclonal Antibody

CAT. NO. APA14422

KEY FEATURES

Target	DNAJB14	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

Acts as a co-chaperone with HSPA8/Hsc70; required to promote protein folding and trafficking, prevent aggregation of client proteins, and promote unfolded proteins to endoplasmic reticulum-associated degradation (ERAD) pathway pathway . Acts by determining HSPA8/Hsc70's ATPase and polypeptide-binding activities . Can also act independently of HSPA8/Hsc70: together with DNAJB12, acts as a chaperone that promotes maturation of potassium channels KCND2 and KCNH2 by stabilizing nascent channel subunits and assembling them into tetramers . While stabilization of nascent channel proteins is dependent on HSPA8/Hsc70, the process of oligomerization of channel subunits is independent of HSPA8/Hsc70 .

APPLICATION

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

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

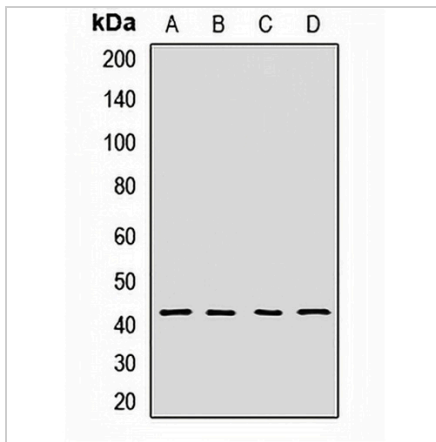
Description	Rabbit polyclonal antibody to DNAJB14
Specificity	Recognizes endogenous levels of DNAJB14 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DNAJB14
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 33; Observed: 42 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	Dnaj homolog subfamily B member 14
Gene Symbol	DNAJB14
Entrez Gene	79982(Human); 70604(Mouse)
SwissProt	Q8TBM8(Human); Q149L6(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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.

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DATA

Western blot analysis of DNAJB14 expression in Jurkat (A), HeLa (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 33; 42 kD; Observed band size: 42 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.