DATASHEET

HDJ2 Rabbit Polyclonal Antibody

CAT. NO. APA12100

KEY FEATURES

Target	HDJ2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine	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 HSPA8/Hsc70 . Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro) . Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as a co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis . Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV .

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

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

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to HDJ2
Specificity	Recognizes endogenous levels of HDJ2 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HDJ2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44 kD; Observed: 44 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	DNAJ2; HDJ2; HSJ2; HSPF4; DnaJ homolog subfamily A member 1; DnaJ protein homolog 2; HSDJ; Heat shock 40 kDa protein 4; Heat shock protein J2; HSJ-2; Human DnaJ protein 2; hDj-2
Gene Symbol	DNAJA1
Entrez Gene	3301(Human); 15502(Mouse); 65028(Rat)
SwissProt	P31689(Human); P63037(Mouse); P63036(Rat)

*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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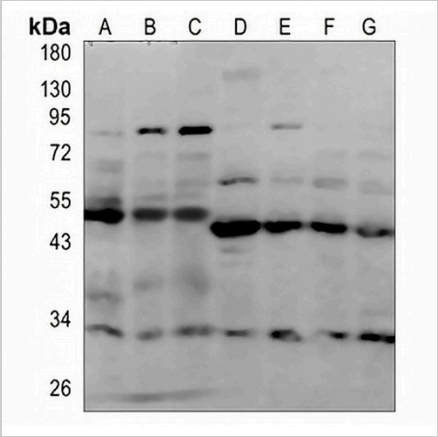
DATA



Western blot analysis of HDJ2 expression in HEK293T (A), Hela (B), MCF7 (C), mouse lung (D), mouse kidney (E), rat lung (F), rat kidney (G) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 44 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.