

## DATASHEET

# HDJ2 Rabbit Monoclonal Antibody(C1925)

CAT. NO. AMA01537

### KEY FEATURES

|               |  |               |              |
|---------------|--|---------------|--------------|
| Target        | HDJ2   | Source / Host | Rabbit       |
| Reactivity    | Human, Mouse, Rat  | Clonality     | Monoclonal   |
| Applications  | WB, IP   | Conjugation   | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA 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 |
| IP | 1:10 - 1:50    |

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

### PRODUCT OVERVIEW

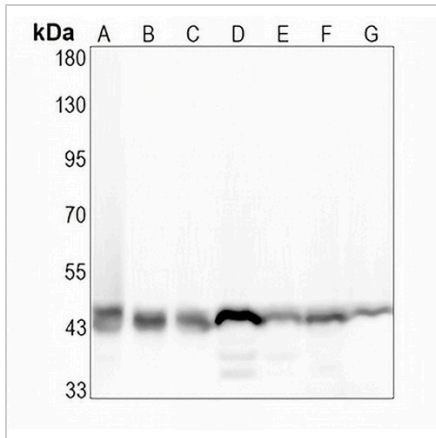
|                   |   |
|-------------------|---|
| Description       | Recombinant rabbit monoclonal antibody to HDJ2  |
| Specificity       | Recognizes endogenous levels of HDJ2 protein  |
| Antibody Type     | Primary antibody, Recombinant   |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within human HDJ2 protein. The exact sequence is proprietary.  |
| Purification      | The antibody was purified by immunogen affinity chromatography.   |
| Molecular Weight  | Predicted: 44 kD; Observed: 45 kD   |
| Form/Buffer       | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA 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](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.

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**DATA**

Western blot analysis of HDJ2 expression in A2780 (A), HepG2 (B), MCF7 (C), mouse testis (D), mouse lung (E), rat brain (F), rat lung whole cell lysates. (Predicted band size: 44 kD; Observed band size: 45 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.