

## ARG43061 anti-DNAJA2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DNAJA2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DNAJA2
Species	Human
Immunogen	Recombinant protein corresponding to M1-N140 of Human DNAJA2.
Conjugation	Un-conjugated
Alternate Names	Dnj3; DJ3; Dj3; Cell cycle progression restoration gene 3 protein; DnaJ homolog subfamily A member 2; PRO3015; RDJ2; DJA2; HIRA-interacting protein 4; DNJ3; HIRIP4; DNAJ; CPR3; Renal carcinoma antigen NY-REN-14

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

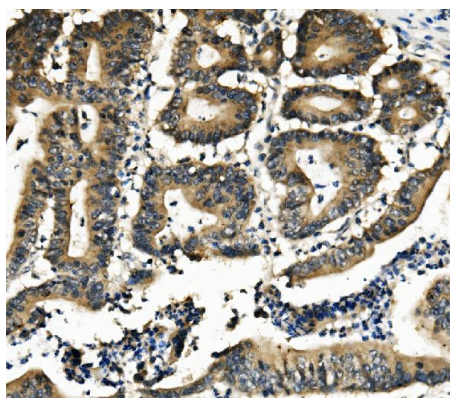
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

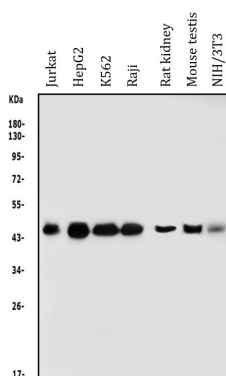
Gene Symbol	DNAJA2
Gene Full Name	DnaJ (Hsp40) homolog, subfamily A, member 2
Background	The protein encoded by this gene belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain. The product of this gene works as a cochaperone of Hsp70s in protein folding and mitochondrial protein import in vitro. [provided by RefSeq, Jul 2008]
Function	Co-chaperone of Hsc70. Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro) (PubMed:24318877). [UniProt]
Calculated Mw	46 kDa
Cellular Localization	Membrane; Lipid-anchor. [UniProt]

## Images



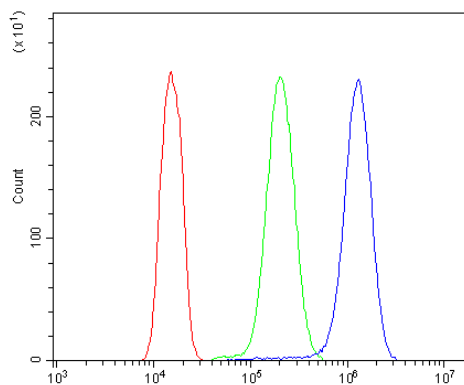
ARG43061 anti-DNAJA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43061 anti-DNAJA2 antibody at 1 µg/ml dilution, overnight at 4°C.



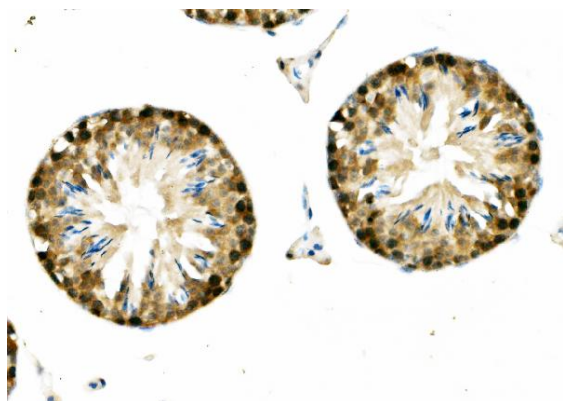
ARG43061 anti-DNAJA2 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Jurkat, HepG2, K562, Raji, Rat kidney, Mouse testis and NIH/3T3 whole cell lysates stained with ARG43061 anti-DNAJA2 antibody at 0.5 µg/ml dilution, overnight at 4°C.



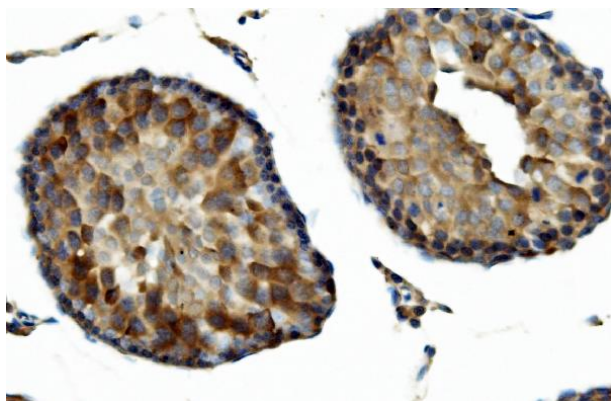
#### ARG43061 anti-DNAJA2 antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG43061 anti-DNAJA2 antibody (blue) at 1  $\mu\text{g}/10^6$  cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1  $\mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



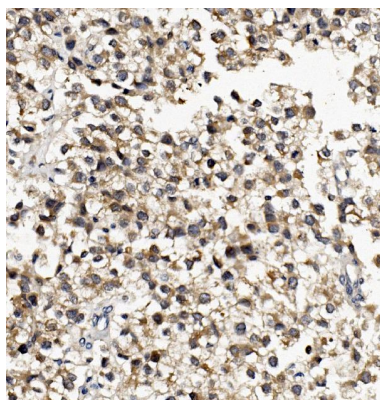
#### ARG43061 anti-DNAJA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse testis tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43061 anti-DNAJA2 antibody at 1  $\mu\text{g}/\text{ml}$  dilution, overnight at 4°C.



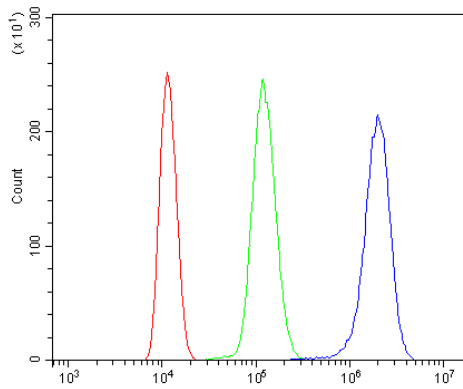
#### ARG43061 anti-DNAJA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat testis tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43061 anti-DNAJA2 antibody at 1  $\mu\text{g}/\text{ml}$  dilution, overnight at 4°C.



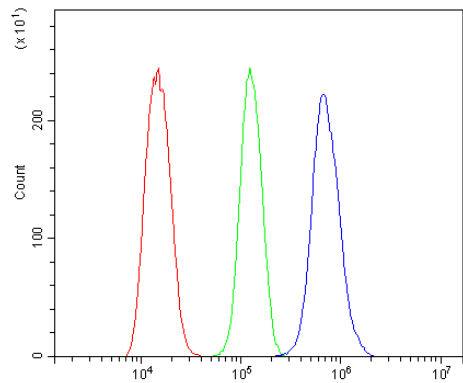
#### ARG43061 anti-DNAJA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testicular cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43061 anti-DNAJA2 antibody at 1  $\mu\text{g}/\text{ml}$  dilution, overnight at 4°C.



#### ARG43061 anti-DNAJA2 antibody FACS image

Flow Cytometry: ANA-1 cells were blocked with 10% normal goat serum and then stained with ARG43061 anti-DNAJA2 antibody (blue) at  $1 \mu\text{g}/10^6$  cells for 30 min at  $20^\circ\text{C}$ , followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG ( $1 \mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



#### ARG43061 anti-DNAJA2 antibody FACS image

Flow Cytometry: NRK cells were blocked with 10% normal goat serum and then stained with ARG43061 anti-DNAJA2 antibody (blue) at  $1 \mu\text{g}/10^6$  cells for 30 min at  $20^\circ\text{C}$ , followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG ( $1 \mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.