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Product datasheet for CF501710

DNAJA2 Mouse Monoclonal Antibody [Clone ID: OTI2A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A2
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human DNAJA2 (NP_005871) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45.6 kDa
Gene Name:	DnaJ heat shock protein family (Hsp40) member A2
Database Link:	NP_005871 Entrez Gene 84026 RatEntrez Gene 478143 DogEntrez Gene 716353 MonkeyEntrez Gene 10294 Human O60884

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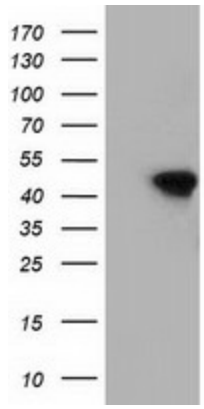
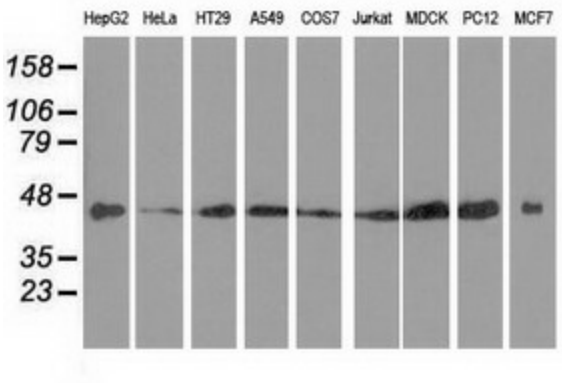
Background: The protein encoded by this gene belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; 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]

Synonyms: CPR3; DJ3; DJA2; DNAJ; DNJ3; HIRIP4; PRO3015; RDJ2

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DNAJA2 ([RC202204], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DNAJA2. Positive lysates [LY401779] (100ug) and [LC401779] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DNAJA2 monoclonal antibody.

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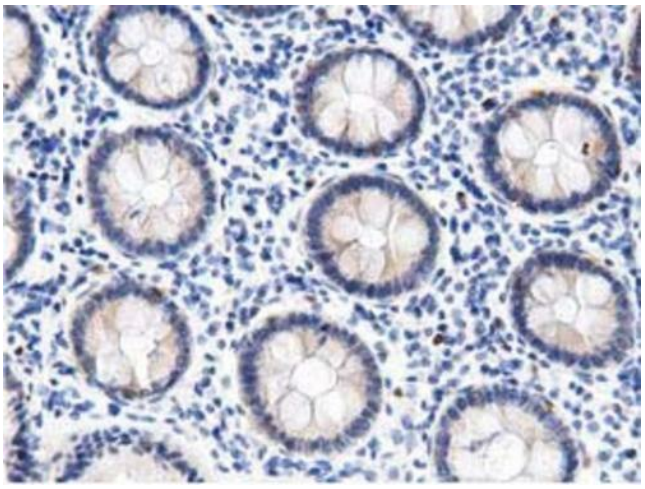
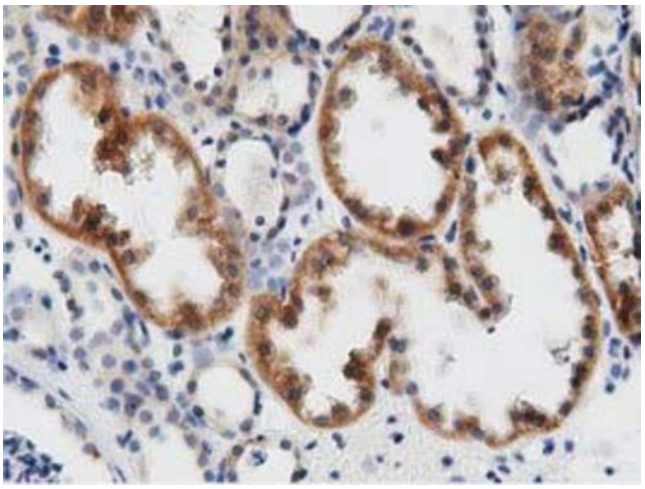
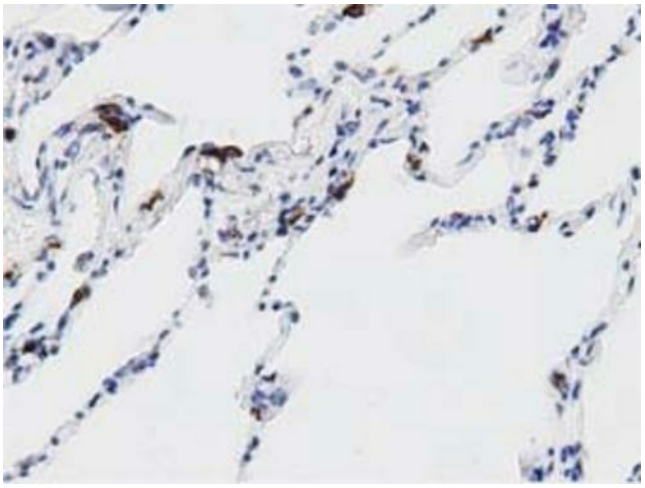


Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501710], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501710], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501710], Dilution 1:50)

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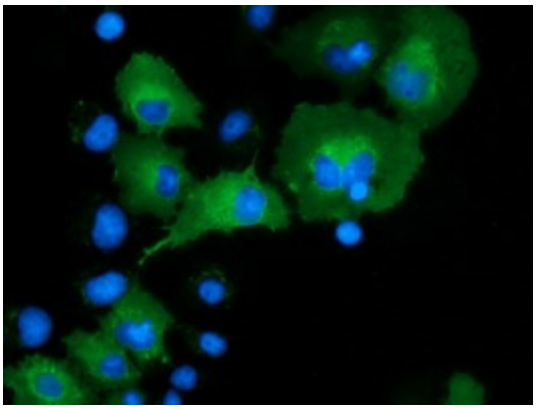
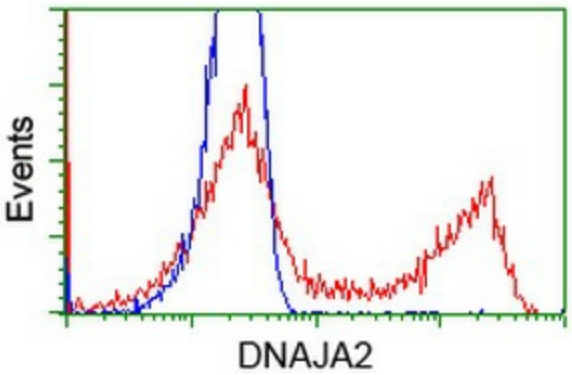


Anti-DNAJA2 mouse monoclonal antibody ([TA501710]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DNAJA2 ([RC202204]).



HEK293T cells transfected with either [RC202204] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DNAJA2 antibody ([TA501710]), and then analyzed by flow cytometry.

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