

## Product datasheet for **CF501685**

### **DNAJA2 Mouse Monoclonal Antibody [Clone ID: OTI3A10]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3A10
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500, IHC 1:50~150, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Dog, Rat, Monkey, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human DNAJA2 (NP_005871) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	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)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	45.6 kDa
<b>Gene Name:</b>	Dnaj heat shock protein family (Hsp40) member A2
<b>Database Link:</b>	<a href="#">NP_005871</a> <a href="#">Entrez Gene 84026 RatEntrez Gene 478143 DogEntrez Gene 716353 MonkeyEntrez Gene 10294 Human</a> <a href="#">O60884</a>



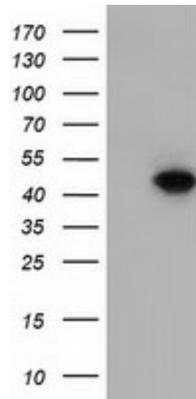
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**Background:**

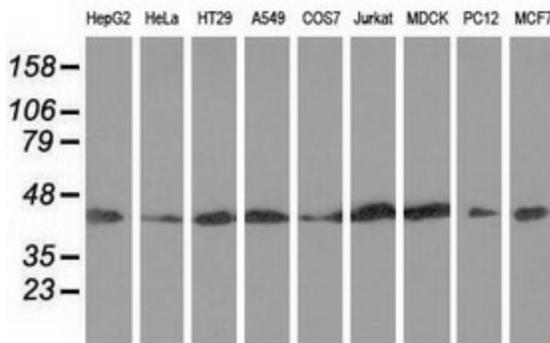
The protein encoded by this gene belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine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

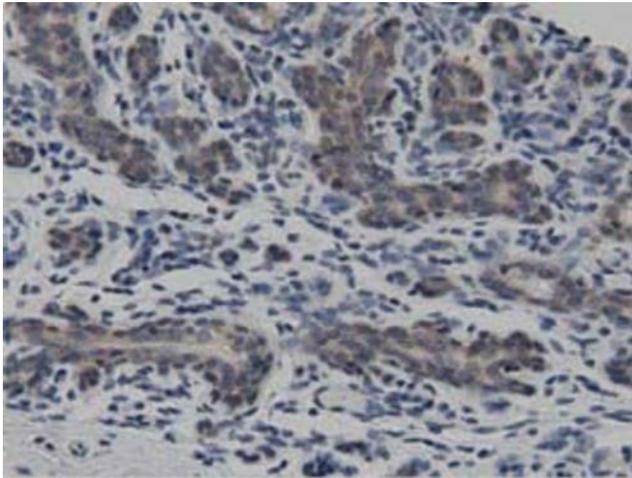
CPR3; DJ3; DJA2; DNAJ; DNJ3; HIRIP4; PRO3015; RDJ2

**Product images:**


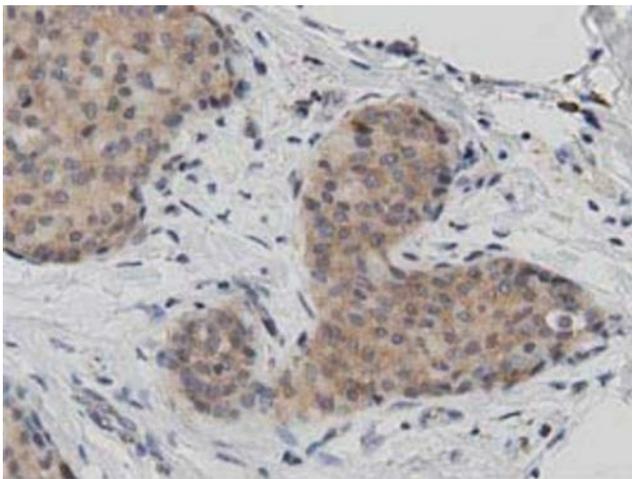
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DNAJA2 (Cat# [RC202204], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DNAJA2(Cat# [TA501685]). Positive lysates [LY401779] (100ug) and [LC401779] (20ug) can be purchased separately from OriGene.



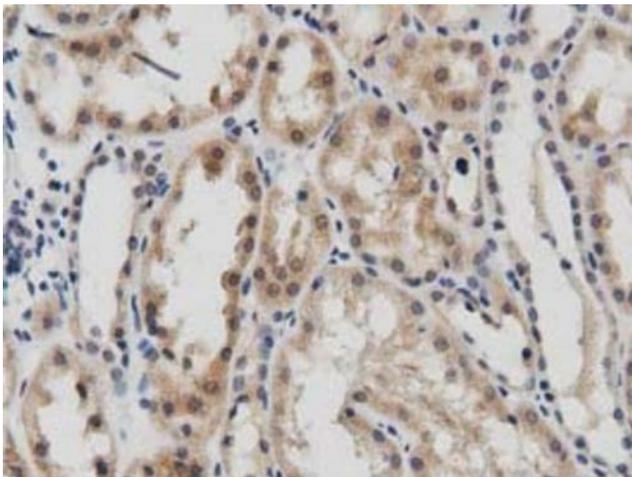
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DNAJA2 monoclonal antibody.



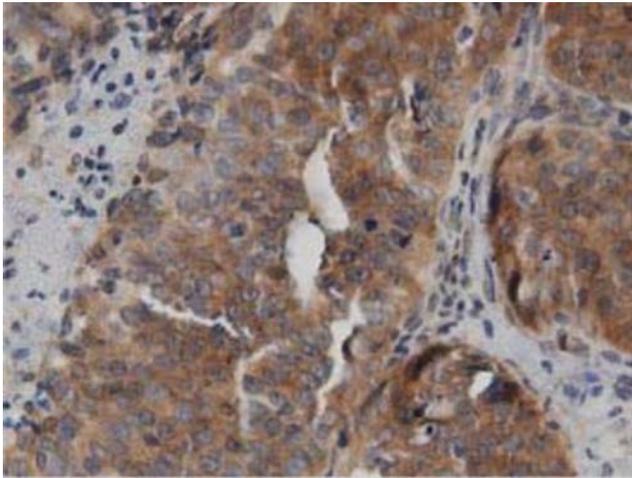
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



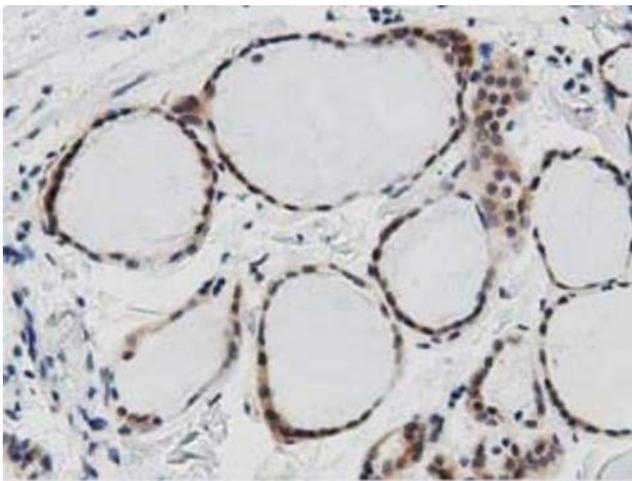
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



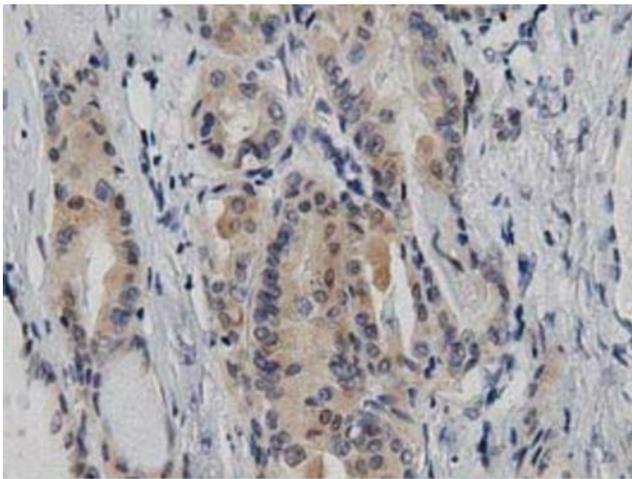
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



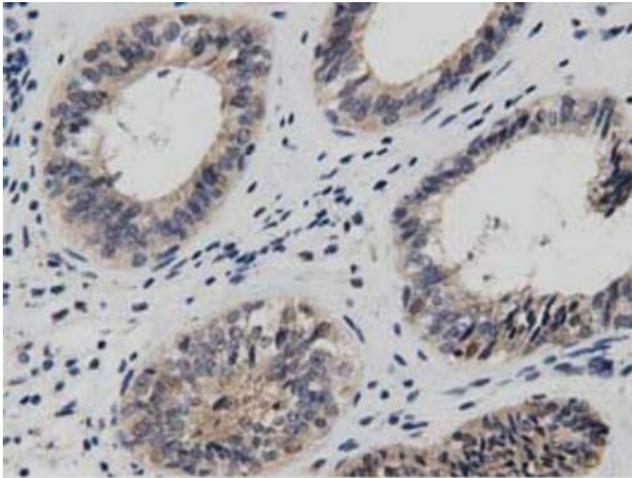
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



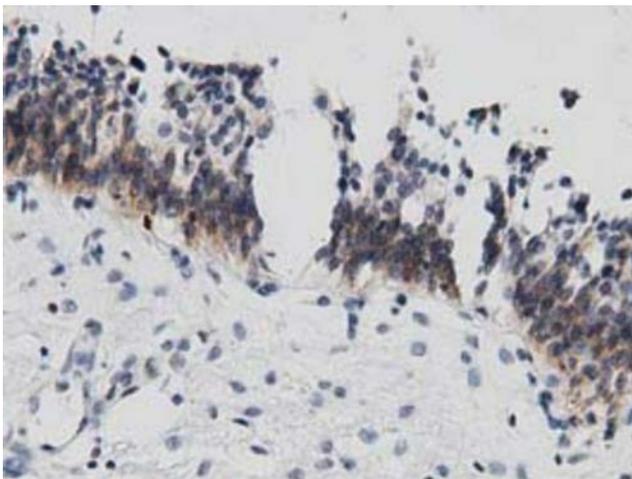
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



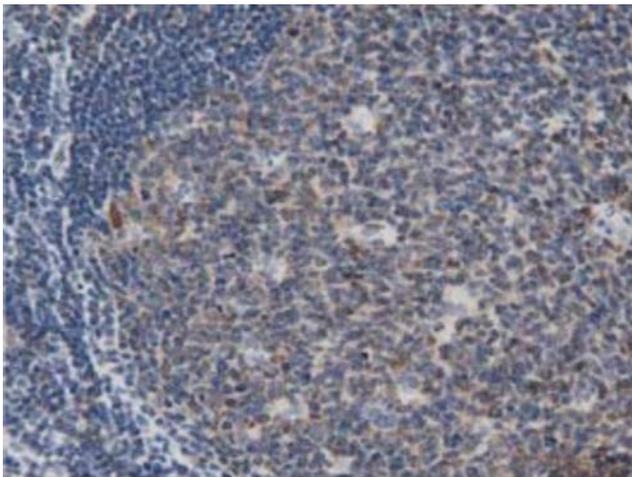
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



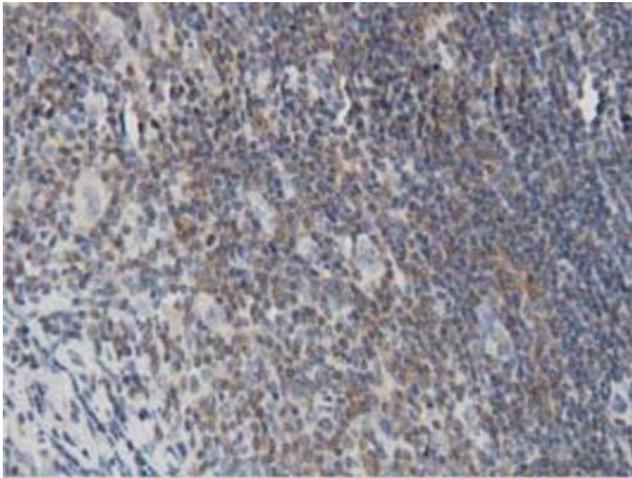
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



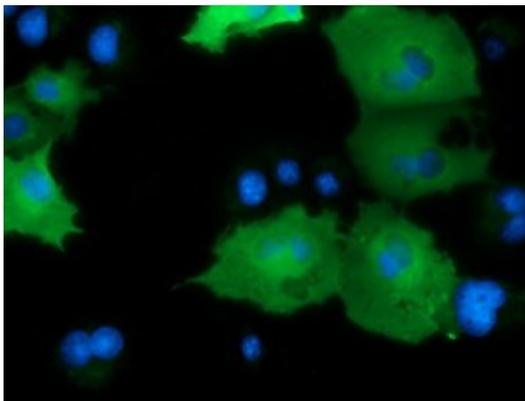
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



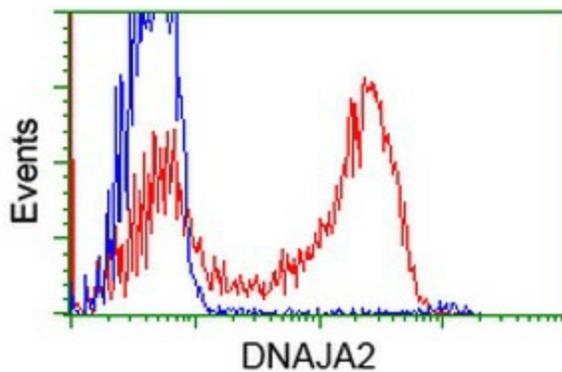
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DNAJA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501685], Dilution 1:50)



Anti-DNAJA2 mouse monoclonal antibody ([TA501685]) 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 ([TA501685]), and then analyzed by flow cytometry.