

## Product datasheet for **TA501685BM**

### **DNAJA2 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI3A10]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI3A10
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:50~150, 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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
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:	<a href="#">NP_005871</a> <a href="#">Entrez Gene 84026 Rat</a> <a href="#">Entrez Gene 478143 Dog</a> <a href="#">Entrez Gene 716353 Monkey</a> <a href="#">Entrez Gene 10294 Human</a> <a href="#">O60884</a>



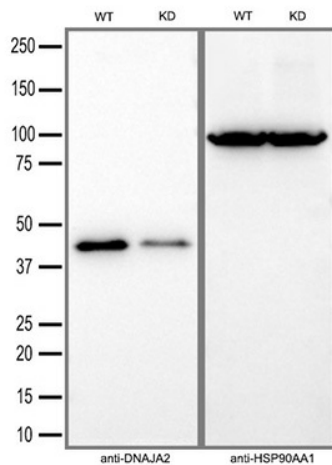
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**Background:**

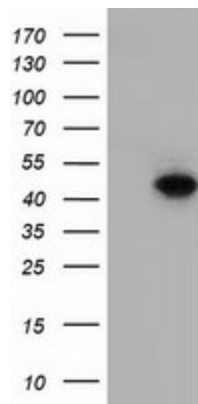
The protein encoded by this gene belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine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

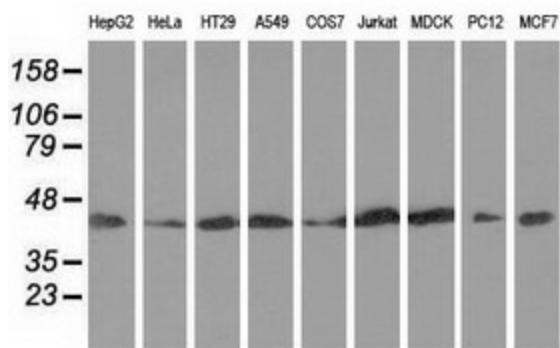
CPR3; DJ3; DJA2; DNAJ; DNJ3; HIRIP4; PRO3015; RDJ2

**Product images:**


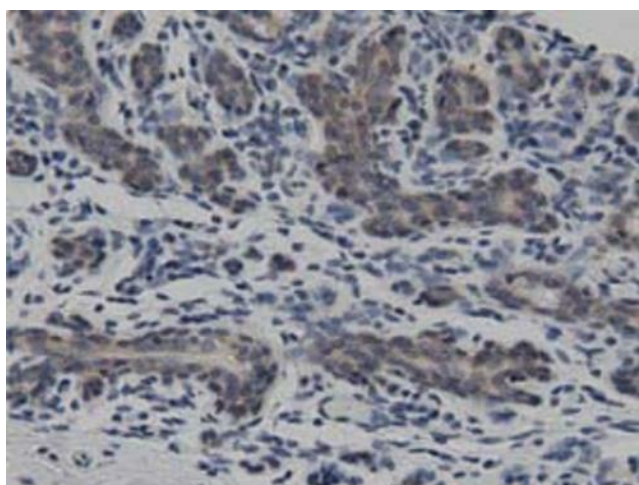
Equivalent amounts of cell lysates (30 ug per lane) of wild-type HeLa cells (WT) and DNAJA2-Knockdown HeLa cells (KD) were separated by SDS-PAGE and immunoblotted with anti-DNAJA2 monoclonal antibody [TA501685] (1:1000). Then the blotted membrane was stripped and reprobed with anti-HSP90AA1 antibody as a loading control.



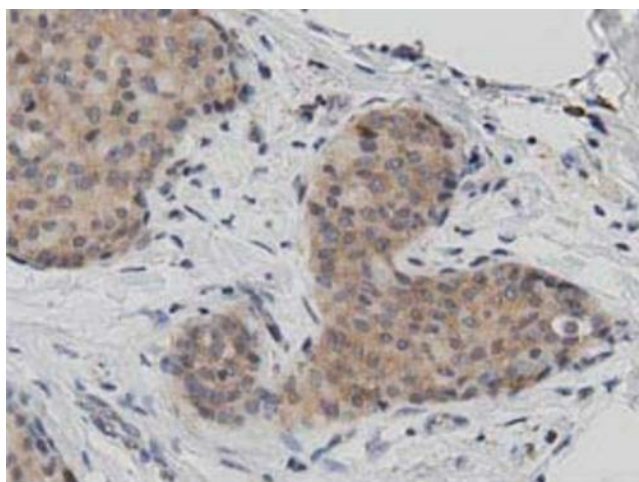
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DNAJA2 (Cat# [RC202204], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DNAJA2 (Cat# [TA501685]). Positive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



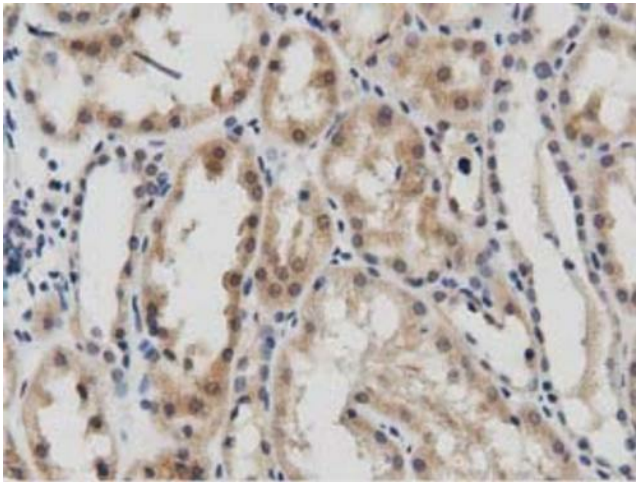
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-DNAJA2 monoclonal antibody.



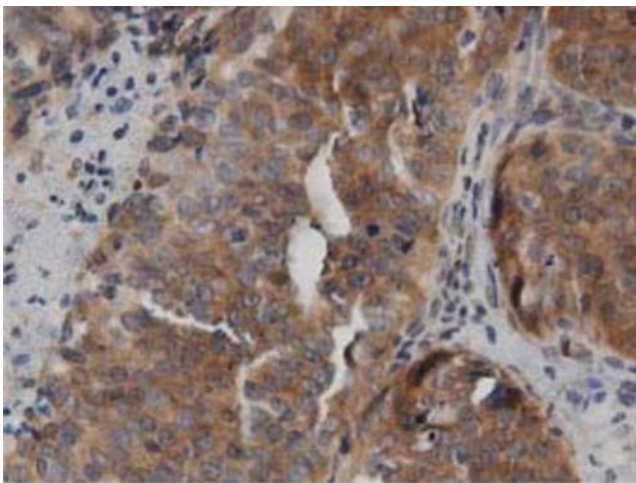
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



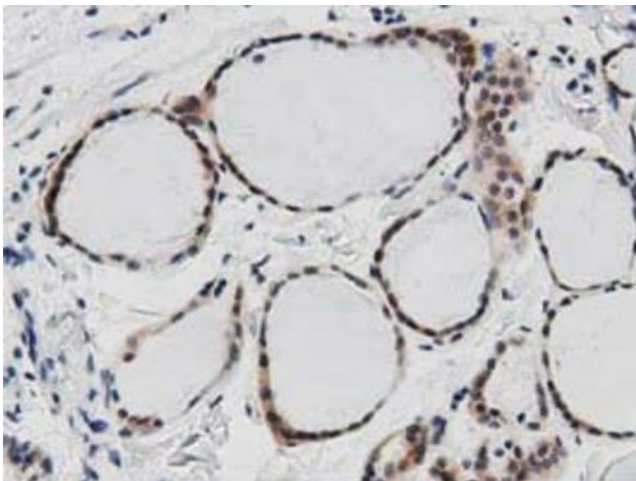
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



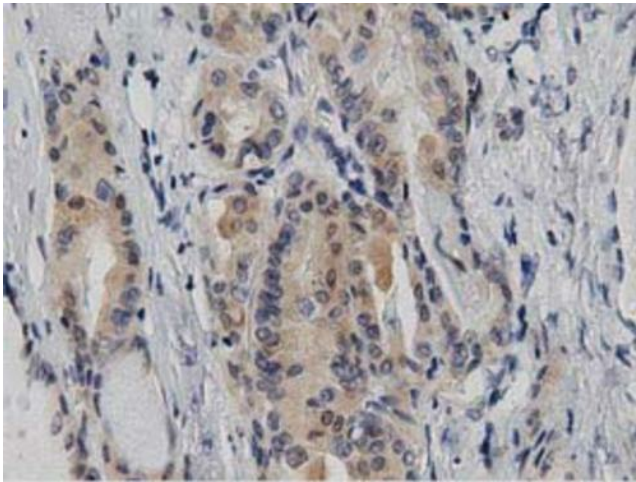
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



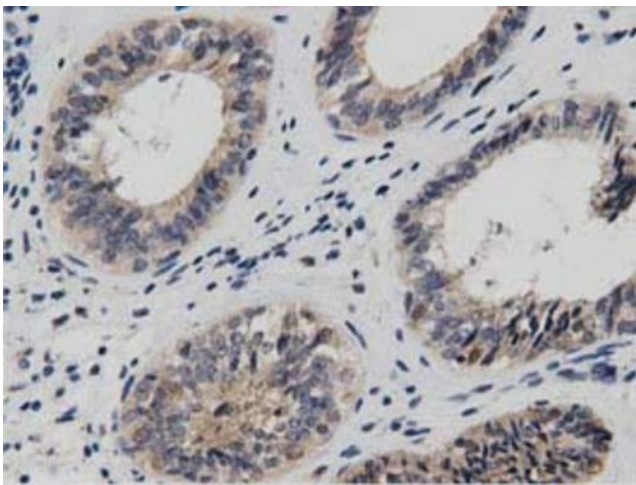
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



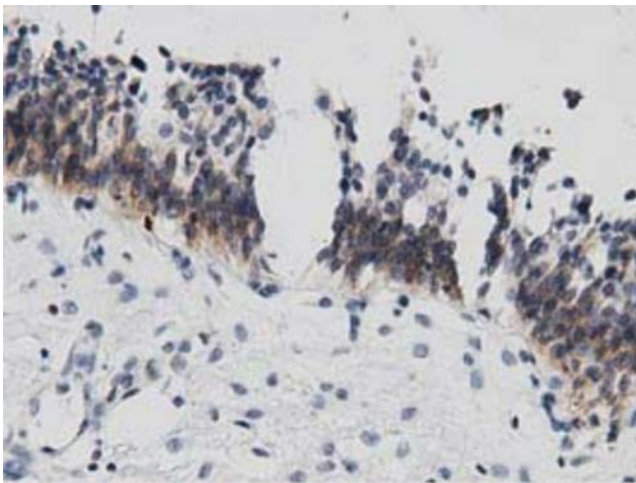
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



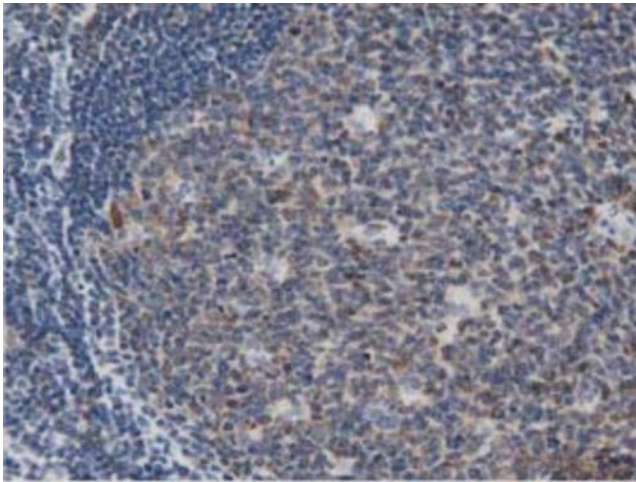
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



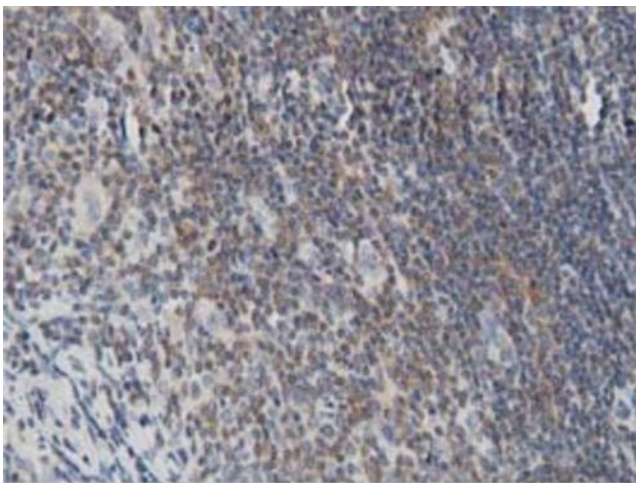
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



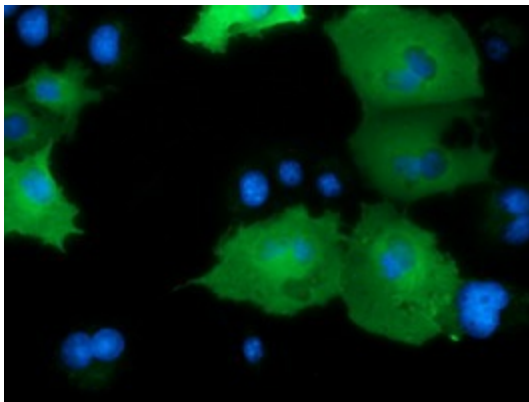
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



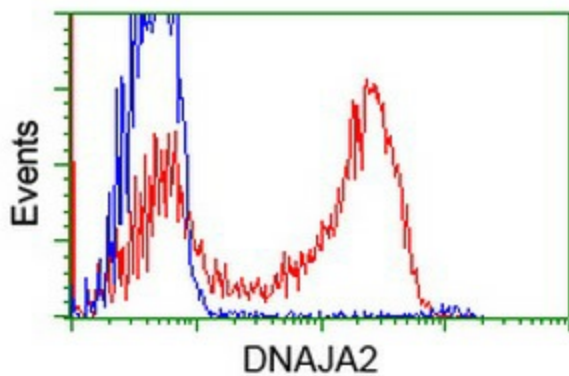
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-DNAJA2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



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.