

Product datasheet for **CF504281**

RUVBL2 Mouse Monoclonal Antibody [Clone ID: OTI1A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A6
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:	Human recombinant protein fragment corresponding to amino acids 113-370 of human RUVBL2(NP_006657) produced in E.coli.
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:	51 kDa
Gene Name:	RuvB like AAA ATPase 2
Database Link:	NP_006657 Entrez Gene 20174 Mouse Entrez Gene 292907 Rat Entrez Gene 476418 Dog Entrez Gene 100428794 Monkey Entrez Gene 10856 Human Q9Y230



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Background:

This gene encodes the second human homologue of the bacterial RuvB gene. Bacterial RuvB protein is a DNA helicase essential for homologous recombination and DNA double-strand break repair. Functional analysis showed that this gene product has both ATPase and DNA helicase activities. This gene is physically linked to the CGB/LHB gene cluster on chromosome 19q13.3, and is very close (55 nt) to the LHB gene, in the opposite orientation. [provided by RefSeq]

Synonyms:

CGI-46; ECP51; INO80J; REPTIN; RVB2; TIH2; TIP48; TIP49B

Protein Families:

Transcription Factors

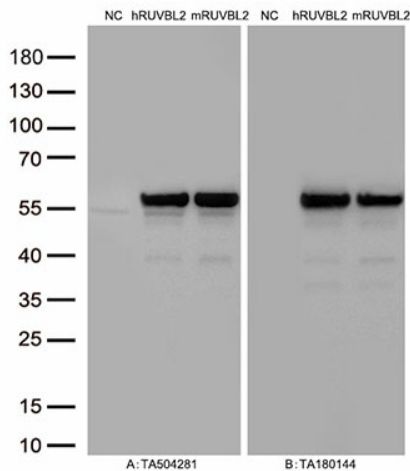
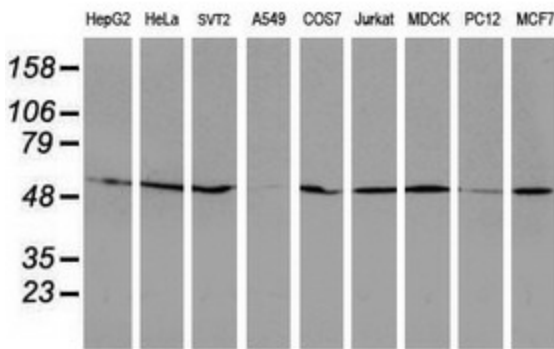
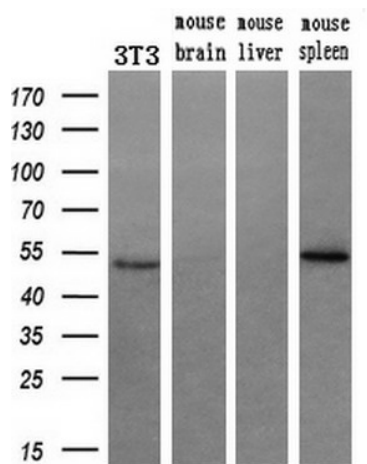
Product images:


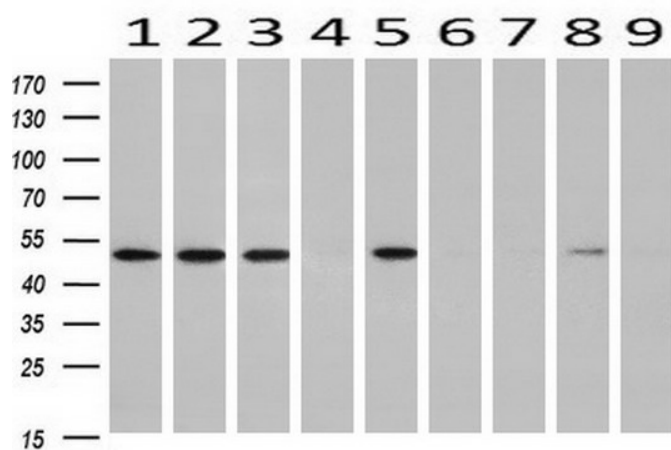
Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human RUVBL2 plasmid ([RC200933], hRUVBL2), mouse RUVBL2 plasmid ([MR226444], mRUVBL2) using anti-RUVBL2 antibody [TA504281] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



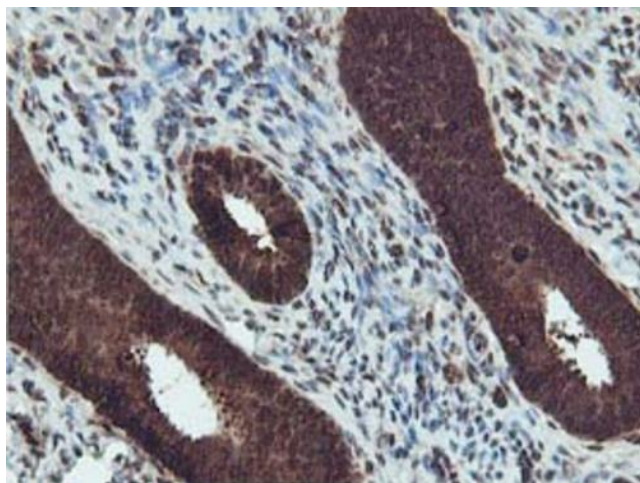
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-RUVBL2 monoclonal antibody.



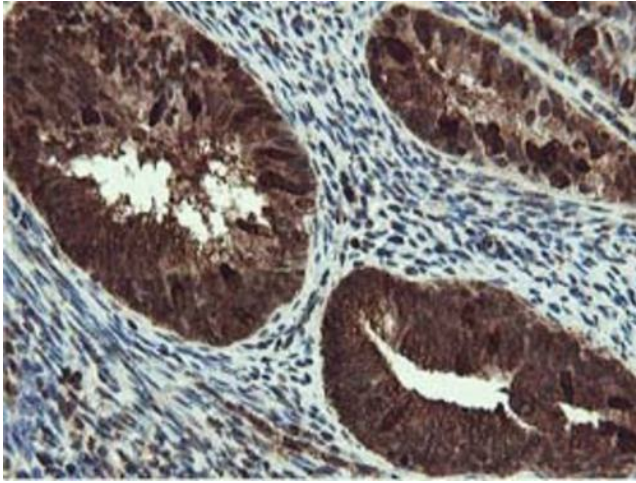
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-RUVBL2 monoclonal antibody (1:200).



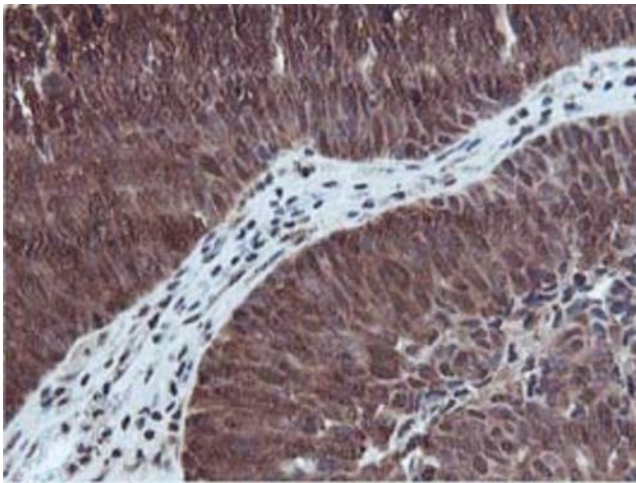
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-RUVBL2 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



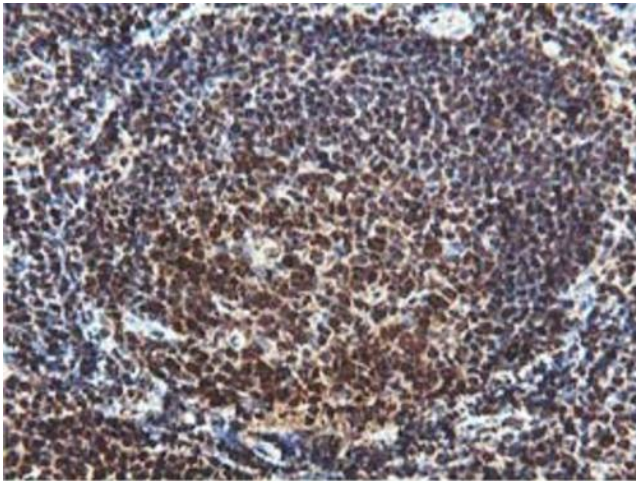
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-RUVBL2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



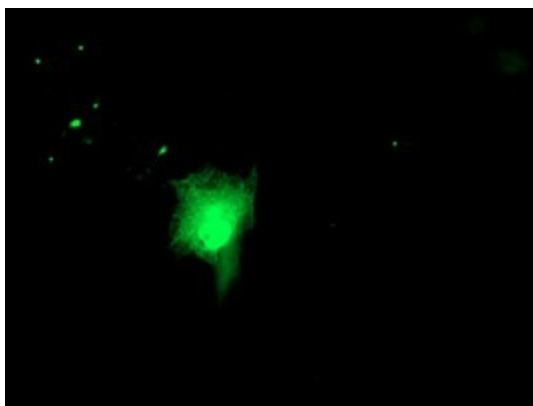
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-RUVBL2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



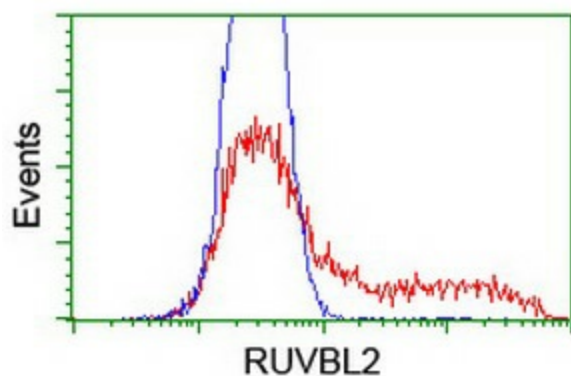
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-RUVBL2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RUVBL2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-RUVBL2 mouse monoclonal antibody ([TA504281]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY RUVBL2 ([RC200933]).



HEK293T cells transfected with either [RC200933] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-RUVBL2 antibody ([TA504281]), and then analyzed by flow cytometry.