

## Product datasheet for **CF504284**

### RUVBL2 Mouse Monoclonal Antibody [Clone ID: OTI1H10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H10
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
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:	<a href="#">NP_006657</a> <a href="#">Entrez Gene 20174 Mouse</a> <a href="#">Entrez Gene 292907 Rat</a> <a href="#">Entrez Gene 10856 Human</a> <a href="#">Q9Y230</a>



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**Background:**

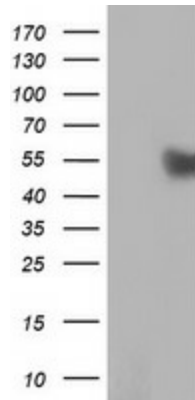
This gene encodes the second human homologue of the bacterial RuvB gene. Bacterial RuvB protein is a DNA helicase essential for homologous recombination and DNA double-strand break repair. Functional analysis showed that this gene product has both ATPase and DNA helicase activities. This gene is physically 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:**

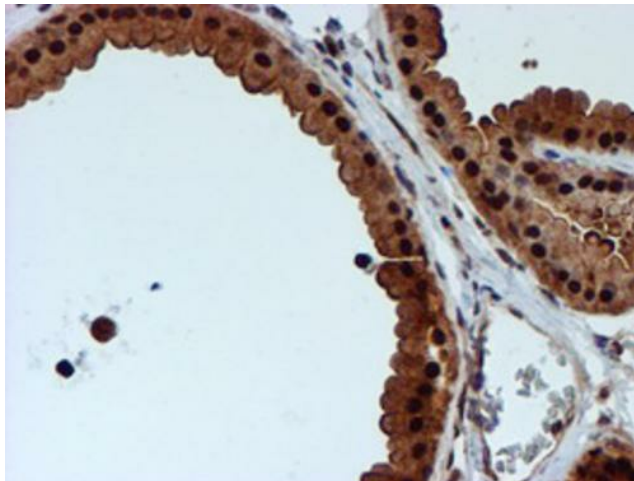
CGI-46; ECP51; INO80J; REPTIN; RVB2; TIH2; TIP48; TIP49B

**Protein Families:**

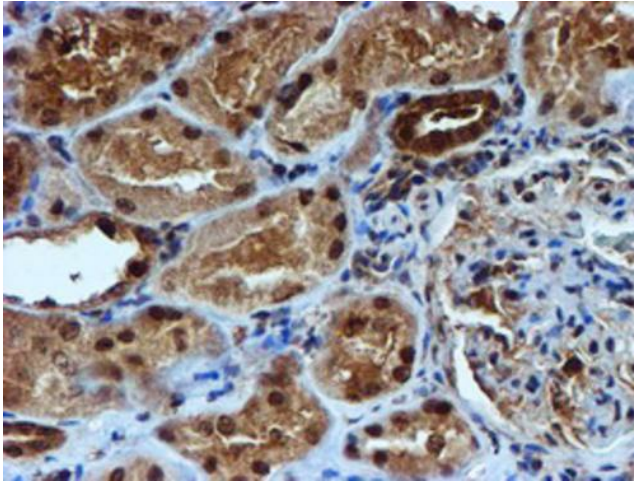
Transcription Factors

**Product images:**


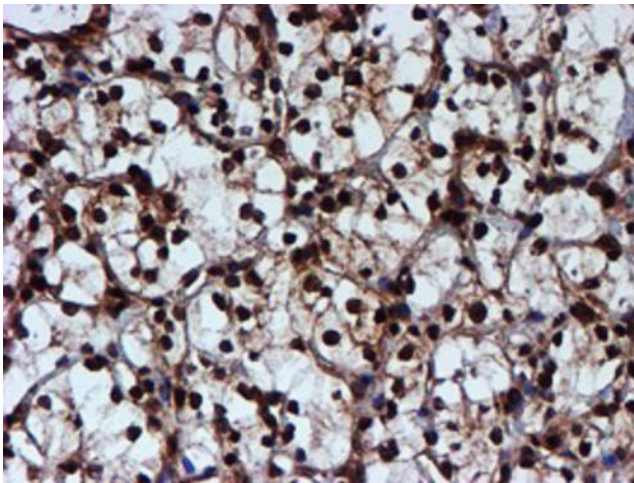
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RUVBL2 ([RC200933], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RUVBL2. Positive lysates [LY401993] (100ug) and [LC401993] (20ug) can be purchased separately from OriGene.



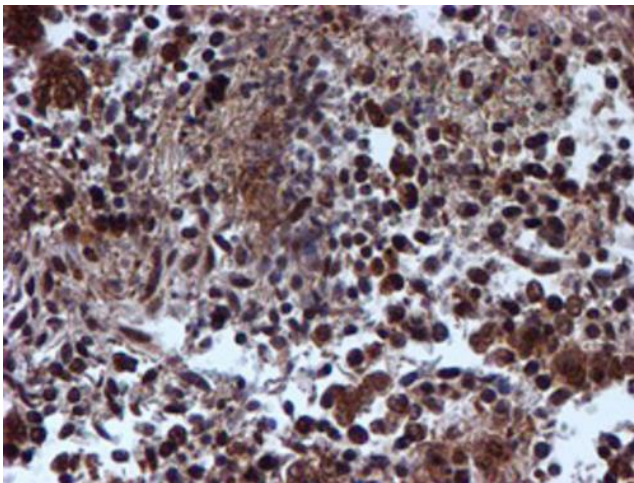
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



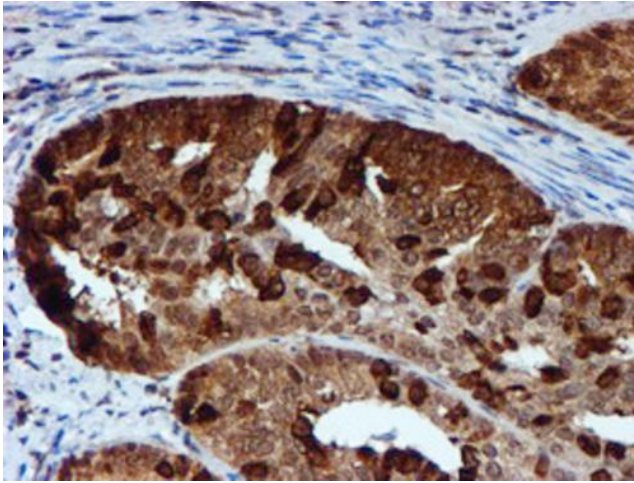
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



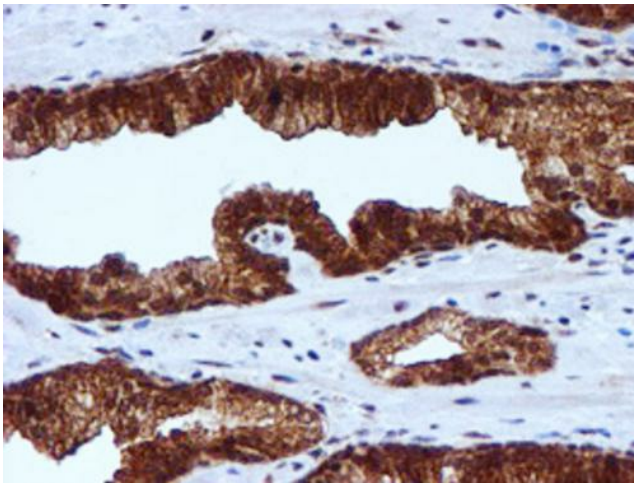
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



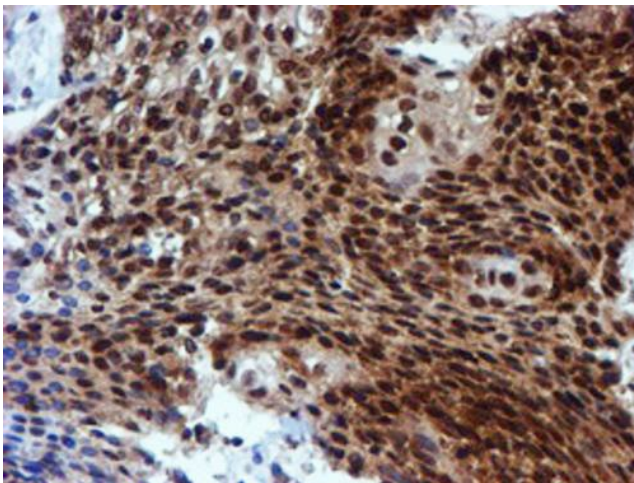
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



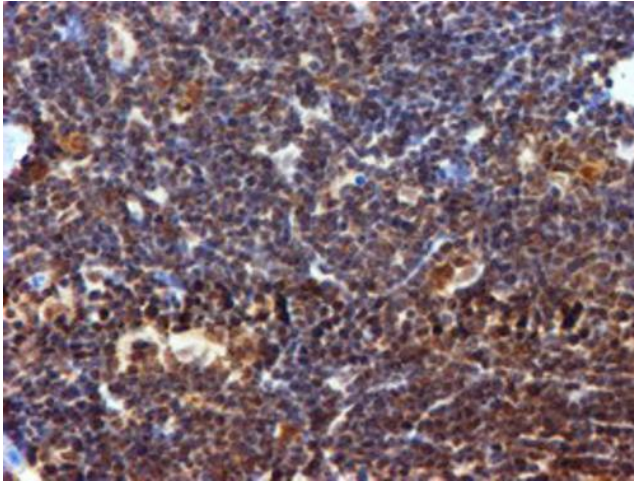
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



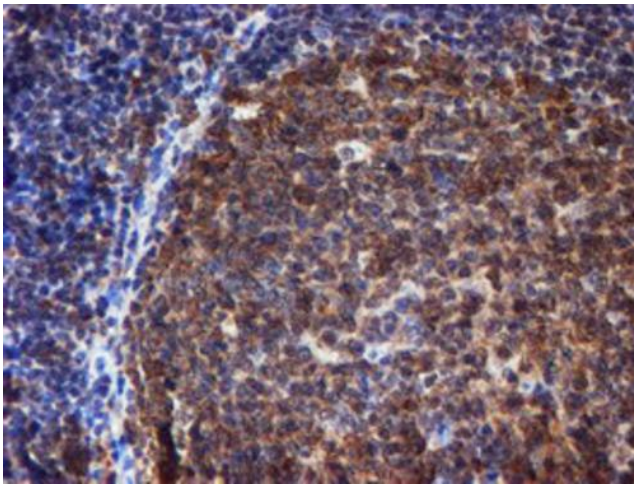
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



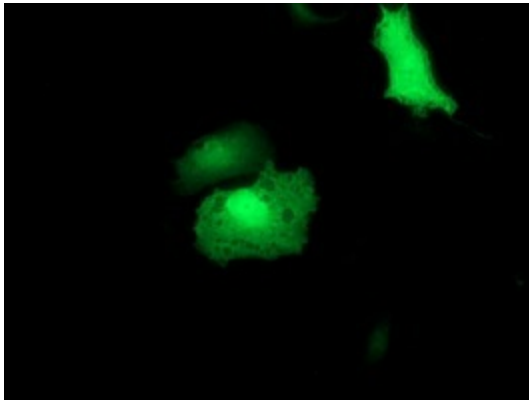
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



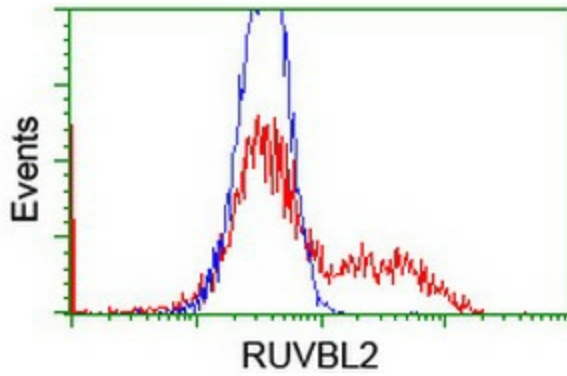
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



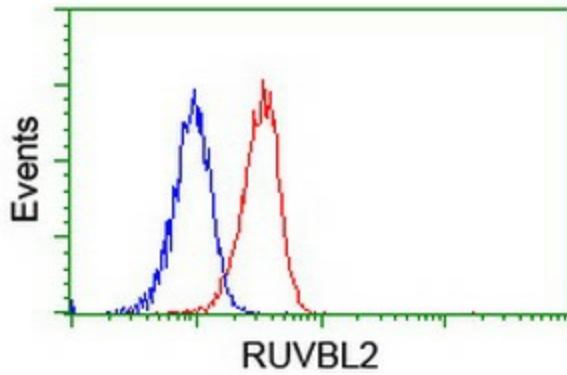
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



Anti-RUVBL2 mouse monoclonal antibody ([TA504284]) 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 ([TA504284]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-RUVBL2 antibody ([TA504284]), (Red), compared to a nonspecific negative control antibody, (Blue).