

## Product datasheet for **TA504284AM**

### **RUVBL2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1H10]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1H10
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 113-370 of human RUVBL2(NP_006657) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<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>	51 kDa
<b>Gene Name:</b>	RuvB like AAA ATPase 2
<b>Database Link:</b>	<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>
<b>Background:</b>	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]

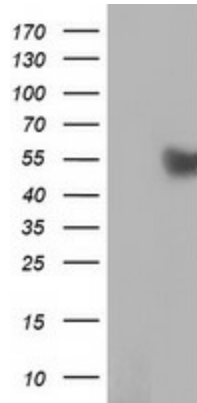


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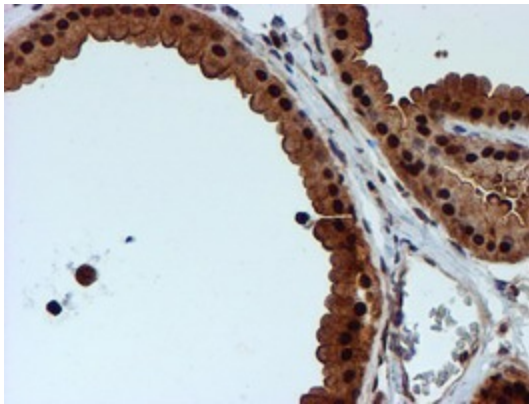
**Synonyms:** CGI-46; ECP51; INO80J; REPTIN; RVB2; TIH2; TIP48; TIP49B

**Protein Families:** Transcription Factors

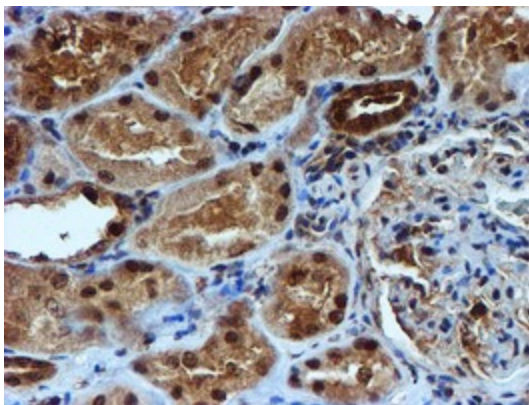
**Product images:**



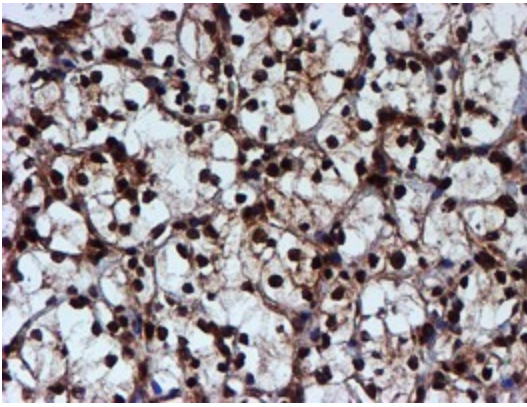
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RUVBL2 ([RC200933], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RUVBL2. Positive lysates [LY401993] (100ug) and [LC401993]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



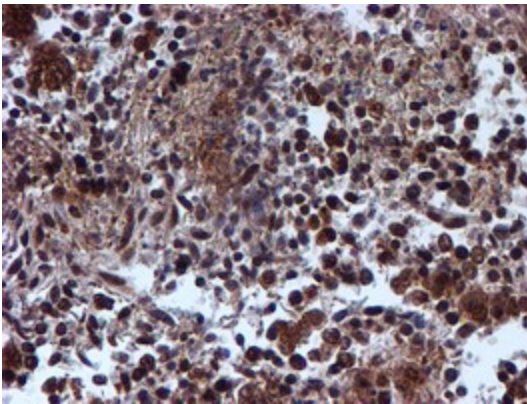
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



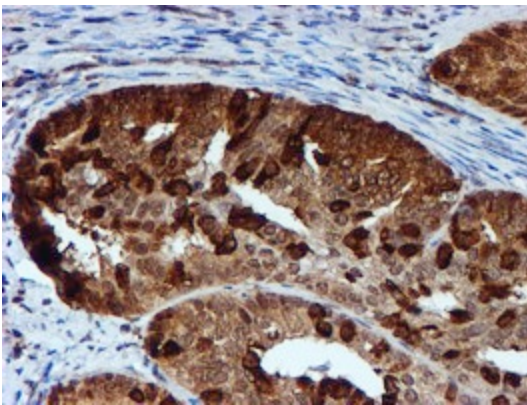
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



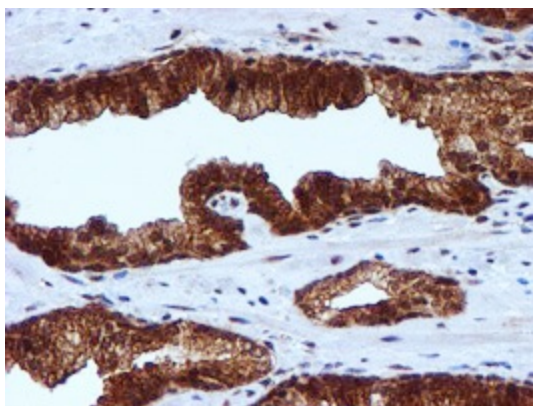
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



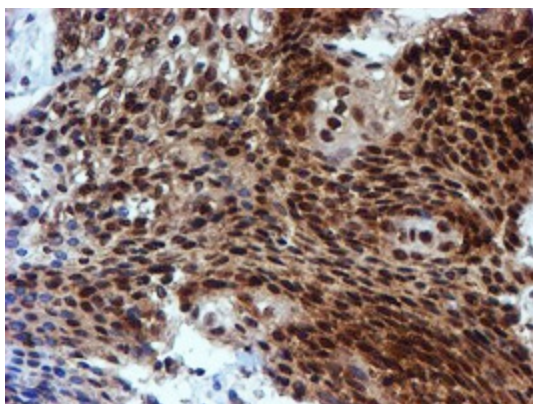
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



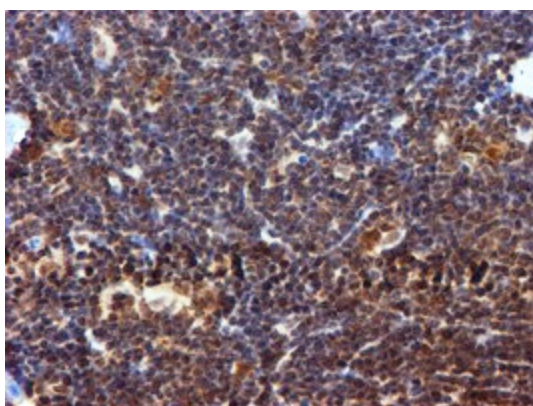
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



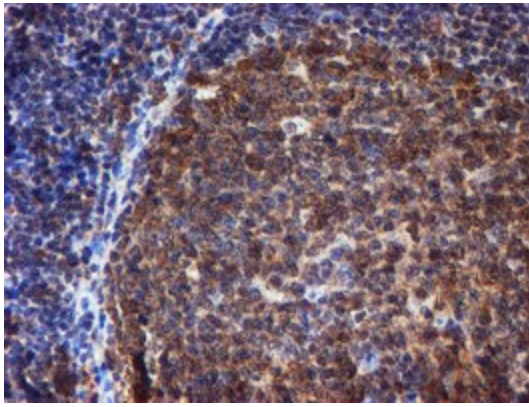
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



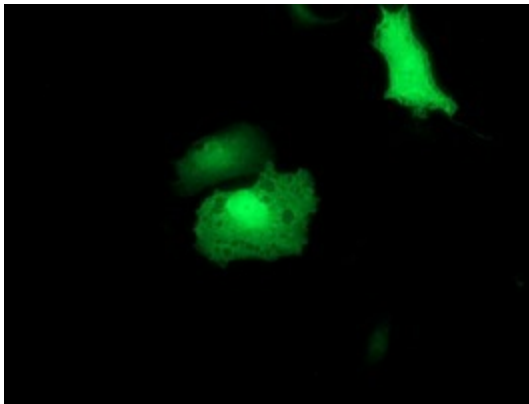
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



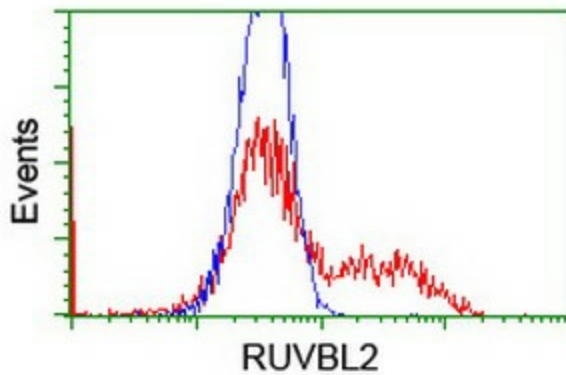
Immunohistochemical staining of paraffin-embedded Human Lymphoma tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



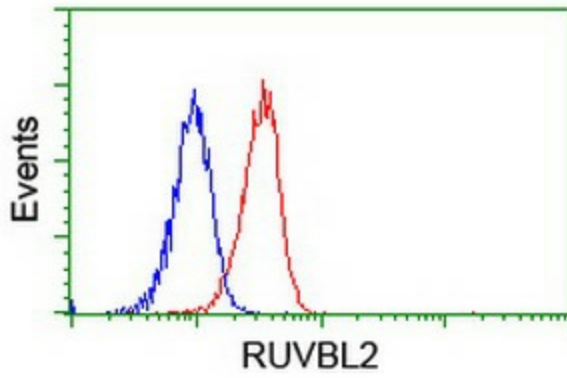
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504284])



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).