

Product datasheet for TA504281

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, Monkey, Mouse, Rat, Dog
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:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.6 mg/ml
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
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]

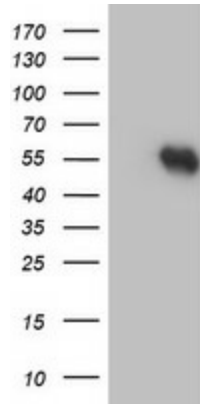


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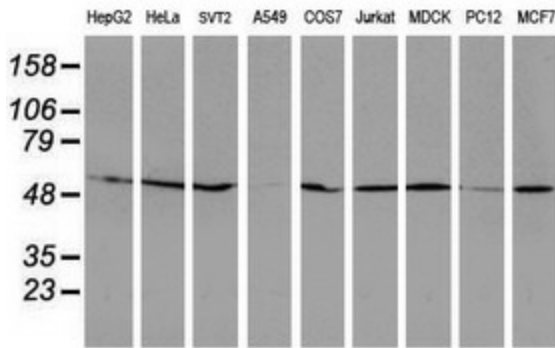
Synonyms: CGI-46; ECP51; INO80J; REPTIN; RVB2; TIH2; TIP48; TIP49B

Protein Families: Transcription Factors

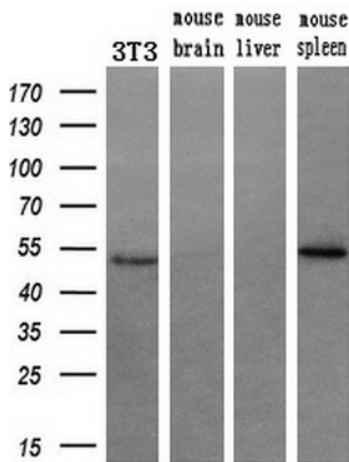
Product images:



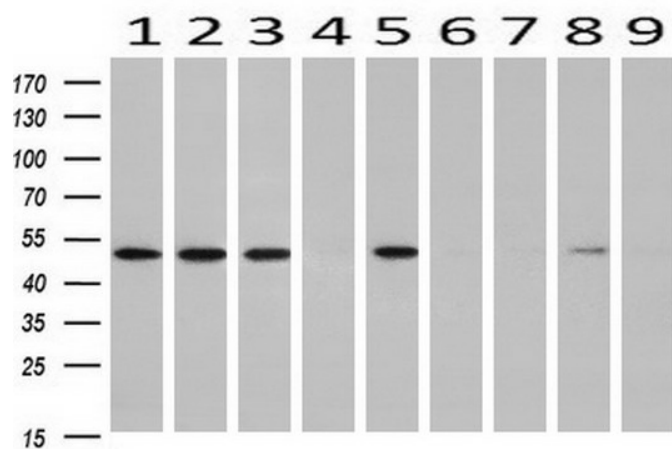
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RUVBL2 (Cat# [RC200933], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RUVBL2(Cat# TA504281). Positive lysates [LY401993] (100ug) and [LC401993] (20ug) can be purchased separately from OriGene.



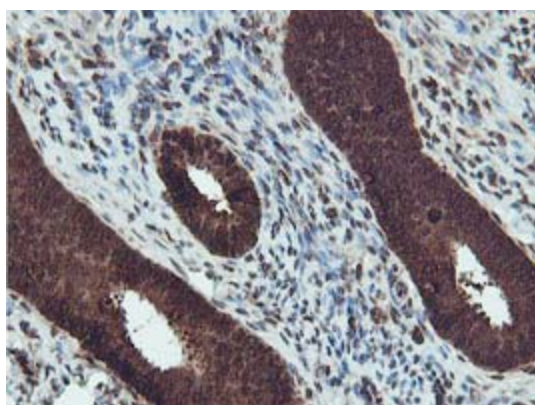
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-RUVBL2 monoclonal antibody.



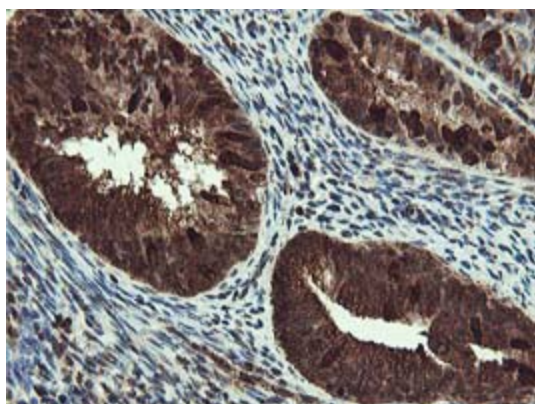
Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-RUVBL2 monoclonal antibody (1:200).



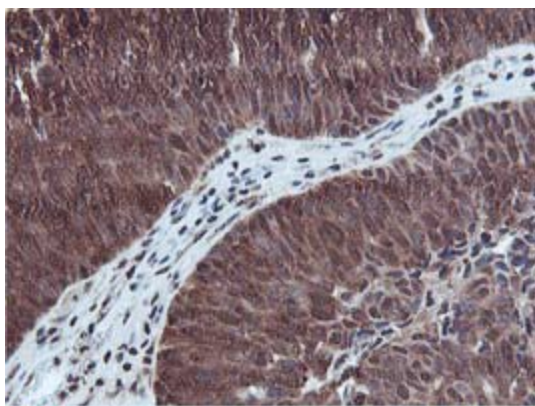
Western blot analysis of extracts (10ug) from 9 Human tissue by using anti-RUVBL2 monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon).



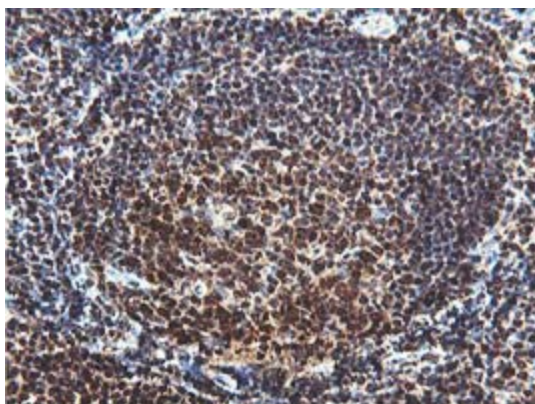
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504281)



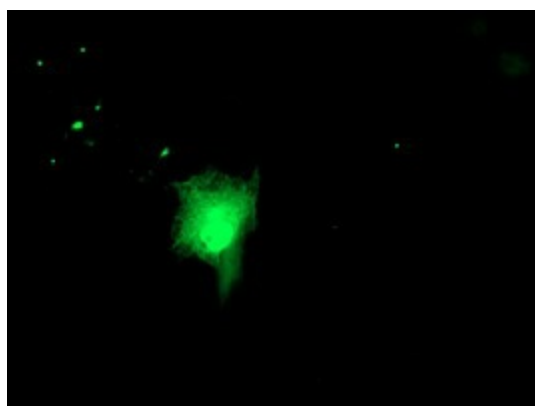
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504281)



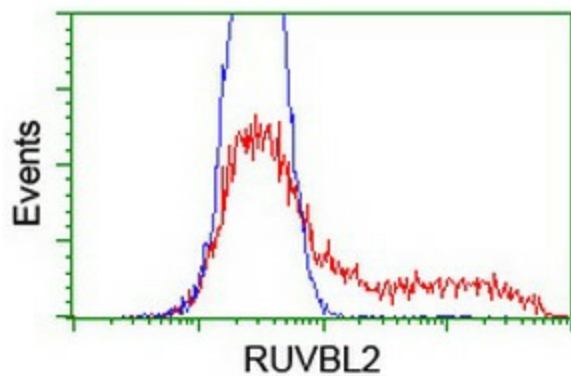
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-RUVBL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504281)



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, TA504281)



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.