

For Research Use Only

# RUVBL1 Monoclonal antibody

Catalog Number: 67750-1-Ig



## Basic Information

<b>Catalog Number:</b> 67750-1-Ig	<b>GenBank Accession Number:</b> BC002993	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8607	<b>CloneNo.:</b> 1F2D9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y265	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> RuvB-like 1 (E. coli)	
<b>Immunogen Catalog Number:</b> AG16688	<b>Calculated MW:</b> 456 aa, 50 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : U2OS cells, HeLa cells, HT-1080 cells, HCT 116 cells, K-562 cells, A549 cells, A431 cells
<b>Species Specificity:</b> Human, rat	

## Background Information

RUVBL1 is a member of the AAA (ATPase associated with diverse cellular activities) family of proteins that is associated with several chromatin-remodelling complexes and has important roles in transcriptional regulation, the DNA damage response, telomerase activity, snoRNP assembly, cellular transformation and cancer metastasis [PMID: 21617703]. It consists of 456 amino acids (50 kDa) and interacts with TATA-binding protein (TBP), which is a central component for transcriptional regulation by forming complexes with various transcription regulators. RUVBL1 is a component of a large nuclear protein complex, possibly the RNA polymerase II holoenzyme. RUVBL1 is also highly homologous to RuvB proteins that function as a DNA helicase promote branch migration of the Holliday junction [PMID: 9588198].

## Storage

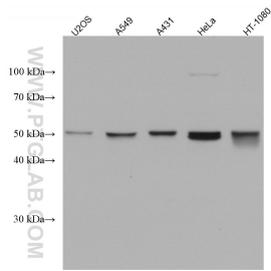
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

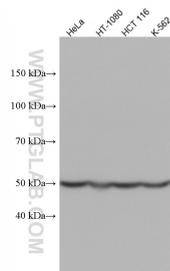
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67750-1-Ig (RUVBL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67750-1-Ig (RUVBL1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.