

For Research Use Only

# RUVBL2 Monoclonal antibody

Catalog Number: 67851-1-Ig



## Basic Information

<b>Catalog Number:</b> 67851-1-Ig	<b>GenBank Accession Number:</b> BC000428	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 10856	<b>CloneNo.:</b> 1A1A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y230	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> RuvB-like 2 (E. coli)	
<b>Immunogen Catalog Number:</b> AG0253	<b>Calculated MW:</b> 51 kDa	
	<b>Observed MW:</b> 51 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
Human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** A549 cells, A431 cells, HeLa cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, Neuro-2a cells

**IHC:** human lung cancer tissue,

**IF:** HeLa cells,

## Background Information

RUVBL2 belongs to the conserved ATPases associated with various cellular activities (AAA+) protein subfamily, which is characterized by the presence of conserved Walker A and B motifs that are involved in ATP binding and hydrolysis. The AAA+ (ATPases associated with diverse cellular activities) ATPases, RUVBL1 and RUVBL2, were originally isolated as components of transcriptional complexes and shown to function in a number of different cellular processes, including transcriptional regulation, chromatin remodelling and DNA damage responses. (PMID: 31572066, PMID: 31138842)

## 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

For technical support and original validation data for this product please contact:

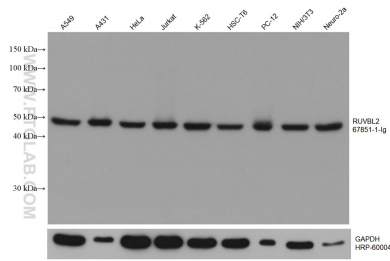
T: 4006900926

E: Proteintech-CN@ptglab.com

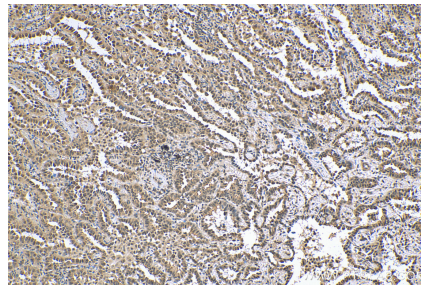
W: ptgcn.com

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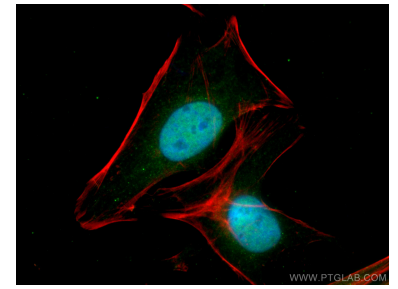
## Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 67851-1-Ig (RUVBL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67851-1-Ig (RUVBL2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using RUVBL2 antibody (67851-1-Ig, Clone: 1A1A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).