

For Research Use Only

RUVBL2 Monoclonal antibody

Catalog Number: 67851-1-Ig **1 Publications**



Basic Information

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

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : A549 cells, A431 cells, HeLa cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, Neuro-2a cells
Species Specificity: Human, mouse, rat	IHC : human lung cancer tissue,
Cited Species: mouse	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Mingming Xing	39414808	Nat Commun	WB, IF

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:

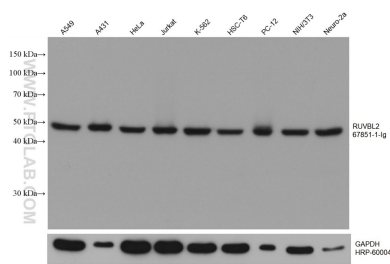
T: 4006900926

E: Proteintech-CN@ptglab.com

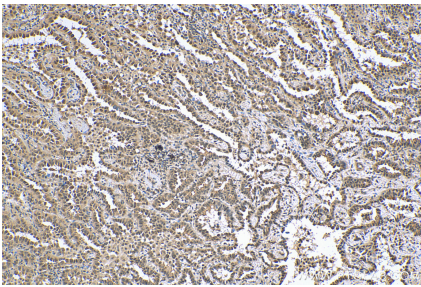
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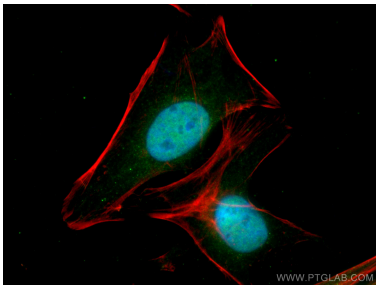
Selected Validation Data



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 Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).