

For Research Use Only

# RLIM Polyclonal antibody

Catalog Number: 16121-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 16121-1-AP	<b>GenBank Accession Number:</b> BC013357	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 600 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51132	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> ring finger protein, LIM domain interacting	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 624 aa, 69 kDa	
<b>Immunogen Catalog Number:</b> AG9077	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells
<b>Cited Applications:</b> CoIP, IF, IHC, IP, WB	<b>IP :</b> HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

RLIM (RING finger LIM domain-binding protein), also known as RNF12 (RING finger protein 12) or NY-REN-43, is a 624 amino acid RING-H2 zinc finger protein that is involved in protein ubiquitinylation and subsequent degradation. Expressed in a variety of tissues, RLIM binds to the LIM domain of various proteins and functions as a protein ligase that negatively co-regulates LIM homeodomain (LIM-HD) transcription factors. Through its interaction with Sin3A, a component of the histone deacetylase corepressor complex, RLIM is able to recruit the corepressor complex to LIM-HD proteins, thereby inhibiting LIM-HD transcription. In addition to recruiting the deacetylase complex to LIM-HD proteins, RLIM is able to bind to, ubiquitinate and subsequently degrade CLIM proteins, which function as positive co-regulators of LIM-HD transcription factors. RLIM contains one RING-type zinc finger and is implicated in renal cell carcinoma. The calculated molecular weight of RLIM is 69 kDa, but modified RLIM is about 70-75 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chao Li	26317901	Oncotarget	WB
Yongsheng Huang	29137325	Oncotarget	WB
Tomasz Chelwicki	24842875	Elife	WB

## Storage

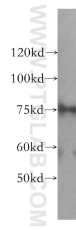
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

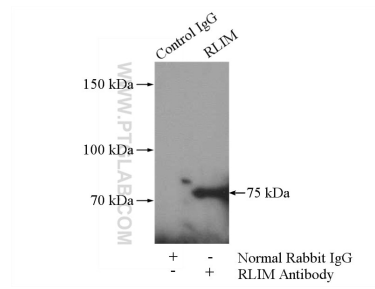
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16121-1-AP (RLIM antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-RLIM (IP:16121-1-AP, 4ug; Detection:16121-1-AP 1:500) with HeLa cells lysate 1520ug.