

For Research Use Only

RLIM Polyclonal antibody

Catalog Number: 16121-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

16121-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9077

GenBank Accession Number:

BC013357

GeneID (NCBI):

51132

UNIPROT ID:

Q9NVW2

Full Name:

ring finger protein, LIM domain interacting

Calculated MW:

624 aa, 69 kDa

Observed MW:

75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, Jurkat cells

IP : HeLa cells,

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 Chelmicki	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

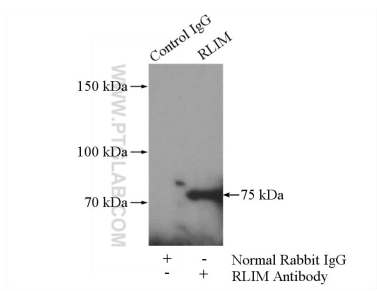
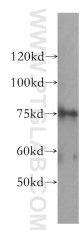
For technical support and original validation data for this product please contact:

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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.