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RLIM Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20050c

Specification

RLIM Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9NVW2
Other Accession	NP_057204.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68549**
Antigen Region	**199-227**

RLIM Antibody (Center) - Additional Information

Gene ID 51132

Other Names
E3 ubiquitin-protein ligase RLIM, 632-, LIM domain-interacting RING finger protein, RING finger LIM domain-binding protein, R-LIM, RING finger protein 12, Renal carcinoma antigen NY-REN-43, RLIM, RNF12

Target/Specificity
This RLIM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 199-227 amino acids from the Central region of human RLIM.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RLIM Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RLIM Antibody (Center) - Protein Information

Name RLIM

Synonyms RNF12

Function E3 ubiquitin-protein ligase. Acts as a negative coregulator for LIM homeodomain transcription factors by mediating the ubiquitination and subsequent degradation of LIM cofactors LDB1 and LDB2 and by mediating the recruitment the SIN3a/histone deacetylase corepressor complex. Ubiquitination and degradation of LIM cofactors LDB1 and LDB2 allows DNA-bound LIM homeodomain transcription factors to interact with other protein partners such as RLIM. Plays a role in telomere length-mediated growth suppression by mediating the ubiquitination and degradation of TERF1. By targeting ZFP42 for degradation, acts as an activator of random inactivation of X chromosome in the embryo, a stochastic process in which one X chromosome is inactivated to minimize sex-related dosage differences of X-encoded genes in somatic cells of female placental mammals.

Cellular Location
Nucleus

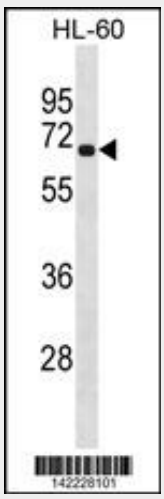
Tissue Location
Expressed in many tissues.

RLIM Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RLIM Antibody (Center) - Images



RLIM Antibody (Center) (Cat. #AP20050c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the RLIM antibody detected the RLIM protein (arrow).

RLIM Antibody (Center) - Background

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The protein encoded by this gene is a RING-H2 zinc finger protein. It has been shown to be an E3 ubiquitin protein ligase that targets LIM domain binding 1 (LDB1/CLIM), and causes proteasome-dependent degradation of LDB1. This protein and LDB1 are co-repressors of LHX1/LIM-1, a homeodomain transcription factor. Multiple alternatively spliced variants, encoding the same protein, have been identified.

RLIM Antibody (Center) - References

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Her, Y.R., et al. J. Biol. Chem. 284(13):8557-8566(2009)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Hiratani, I., et al. Development 130(17):4161-4175(2003)
Ostendorff, H.P., et al. Nature 416(6876):99-103(2002)