

RLIM Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20050c**Specification**

RLIM Blocking Peptide (Center) - Product Information

Primary Accession [O9NVW2](#)
Other Accession [NP_057204.2](#)

RLIM Blocking Peptide (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

The synthetic peptide sequence is selected from aa 214-227 of HUMAN RLIM

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RLIM Blocking Peptide (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 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

RLIM Blocking Peptide (Center) - Images**RLIM Blocking Peptide (Center) - Background**

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 Blocking Peptide (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)