

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

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**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**

Jonkers, I., et al. Cell 139(5):999-1011(2009)  
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)