

**RLTPR Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11373b****Specification**

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**RLTPR Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [O6F5E8](#)  
Other Accession [NP\\_001013860.1](#)

**RLTPR Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 146206

**Other Names**

Leucine-rich repeat-containing protein 16C, RGD, leucine-rich repeat, tropomodulin and proline-rich-containing protein, RLTPR, CARMIL2b, LRRC16C

**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.

**RLTPR Antibody (C-term) Blocking peptide - Protein Information**

**Name** CARMIL2 ([HGNC:27089](#))

**Function**

Cell membrane-cytoskeleton-associated protein that plays a role in the regulation of actin polymerization at the barbed end of actin filaments. Prevents F-actin heterodimeric capping protein (CP) activity at the leading edges of migrating cells, and hence generates uncapped barbed ends and enhances actin polymerization (PubMed: [26466680](http://www.uniprot.org/citations/26466680)). Plays a role in cell protrusion formations; involved in cell polarity, lamellipodial assembly, membrane ruffling and macropinosome formations (PubMed: [19846667](http://www.uniprot.org/citations/19846667), PubMed: [26578515](http://www.uniprot.org/citations/26578515), PubMed: [26466680](http://www.uniprot.org/citations/26466680)). Involved as well in cell migration and invadopodia formation during wound healing (PubMed: [19846667](http://www.uniprot.org/citations/19846667), PubMed: [26578515](http://www.uniprot.org/citations/26578515), PubMed: [26466680](http://www.uniprot.org/citations/26466680)). Required for CD28-mediated stimulation of NF-kappa-B signaling, involved in naive T cells activation, maturation into T memory cells, and differentiation into T helper and T regulatory cells (PubMed: [27647349](http://www.uniprot.org/citations/27647349))

target="\_blank">27647349</a>, PubMed:<a href="http://www.uniprot.org/citations/27647348" target="\_blank">27647348</a>, PubMed:<a href="http://www.uniprot.org/citations/28112205" target="\_blank">28112205</a>).

#### **Cellular Location**

[Isoform 2]: Cytoplasm. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium. Cell projection, ruffle. Note=Colocalizes to dynamic vimentin filaments both in the central cytoplasm and at leading edges of migrating cells (PubMed:26578515, PubMed:26466680, PubMed:19846667) Colocalizes with F-actin, Arp2/3 complex and cortactin to leading edge lamellipodia, ruffles and macropinosomes of migrating cells (PubMed:26578515).

#### **Tissue Location**

Expressed in all tissues tested, including thymus, spleen, colon, leukocytes, peripheral blood, skin, skin keratinocytes and skin fibroblasts. Strong expression is detected in naive and memory CD4+ and CD8+ T cells, naive and memory B cells, regulatory T cells and NK cells, whereas it is poorly expressed in monocytes (PubMed:27647349).

#### **RLTPR Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **RLTPR Antibody (C-term) Blocking peptide - Images**

#### **RLTPR Antibody (C-term) Blocking peptide - References**

Liang, Y., et al. Mol. Biol. Cell 20(24):5290-5305(2009) Matsuzaka, Y., et al. Gene 343(2):291-304(2004)