

## LIMCH1 Antibody (C-term) Blocking Peptide

Synthetic peptide

Catalog # BP13141b

### Specification

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#### LIMCH1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

[O9UPQ0](#)

#### LIMCH1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 22998

#### Other Names

LIM and calponin homology domains-containing protein 1, LIMCH1, KIAA1102

#### Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13141b was selected from the C-term region of LIMCH1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### 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.

#### LIMCH1 Antibody (C-term) Blocking Peptide - Protein Information

Name LIMCH1 ([HGNC:29191](#))

#### Function

Actin stress fibers-associated protein that activates non-muscle myosin IIa. Activates the non-muscle myosin IIa complex by promoting the phosphorylation of its regulatory subunit MRLC/MYL9. Through the activation of non-muscle myosin IIa, positively regulates actin stress fibers assembly and stabilizes focal adhesions. It therefore negatively regulates cell spreading and cell migration.

#### Cellular Location

Cytoplasm, cytoskeleton, stress fiber

#### LIMCH1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

#### **LIMCH1 Antibody (C-term) Blocking Peptide - Images**

#### **LIMCH1 Antibody (C-term) Blocking Peptide - Background**

LIMCH1 contains one CH (calponin-homology) domain and one LIM zinc-binding domain. There are nine named isoforms.

#### **LIMCH1 Antibody (C-term) Blocking Peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)