

MYL12B Antibody(N-term) Blocking peptide
Synthetic peptide
Catalog # BP19667a**Specification**

MYL12B Antibody(N-term) Blocking peptide - Product InformationPrimary Accession [O14950](#)**MYL12B Antibody(N-term) Blocking peptide - Additional Information****Gene ID** 103910;10627**Other Names**

Myosin regulatory light chain 12B, MLC-2A, MLC-2, Myosin regulatory light chain 2-B, smooth muscle isoform, Myosin regulatory light chain 20 kDa, MLC20, Myosin regulatory light chain MRLC2, SHUJUN-1, MYL12B, MRLC2, MYLC2B

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.

MYL12B Antibody(N-term) Blocking peptide - Protein Information**Name** MYL12B**Synonyms** MRLC2, MYLC2B**Function**

Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Phosphorylation triggers actin polymerization in vascular smooth muscle. Implicated in cytokinesis, receptor capping, and cell locomotion.

Tissue Location

Ubiquitously expressed in various hematopoietic cells.

MYL12B Antibody(N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MYL12B Antibody(N-term) Blocking peptide - Images**MYL12B Antibody(N-term) Blocking peptide - Background**

The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments (Iwasaki et al., 2001[PubMed 11942626]).

MYL12B Antibody(N-term) Blocking peptide - References

Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009) Umeda, D., et al. Biochem. Biophys. Res. Commun. 333(2):628-635(2005) Li, T.B., et al. Acta Biochim. Biophys. Sin. (Shanghai) 36(6):412-418(2004) Webb, R.C. Adv Physiol Educ 27 (1-4), 201-206 (2003) :Iwasaki, T., et al. Cell Struct. Funct. 26(6):677-683(2001)