

Mouse Mylk3 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13923a**Specification**

Mouse Mylk3 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q3UIZ8](#)**Mouse Mylk3 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 213435

Other Names

Myosin light chain kinase 3, Cardiac-MyBP-C-associated Ca/CaM kinase, Cardiac-MLCK, Mylk3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13923a was selected from the N-term region of Mouse Mylk3. 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.

Mouse Mylk3 Antibody (N-term) Blocking peptide - Protein Information

Name Mylk3

Function

Kinase that phosphorylates MYL2 in vitro (PubMed:18202317, PubMed:17885681). Has been proposed to be calmodulin-dependent (PubMed:17885681), although MYL2 phosphorylation has also been observed in the presence or absence of calmodulin (PubMed:18202317). Promotes sarcomere formation in cardiomyocytes and increases cardiomyocyte contractility (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Restricted to cardiomyocytes (at protein level). Down-regulated in heart after experimental myocardial infarction at the protein level; no significant changes at the mRNA level

Mouse Mylk3 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Mylk3 Antibody (N-term) Blocking peptide - Images**Mouse Mylk3 Antibody (N-term) Blocking peptide - Background**

Mylk3 may play a role in smooth muscle contraction (By similarity).

Mouse Mylk3 Antibody (N-term) Blocking peptide - References

White, R.A., et al. Blood Cells Mol. Dis. 43(2):141-148(2009) Chan, J.Y., et al. Circ. Res. 102(5):571-580(2008) Kim, B.J., et al. Can. J. Physiol. Pharmacol. 85(12):1254-1262(2007) Seguchi, O., et al. J. Clin. Invest. 117(10):2812-2824(2007) Choi, Y.O., et al. Exp. Mol. Med. 38(2):180-189(2006)