

CNN2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12417a**Specification**

CNN2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q99439](#)**CNN2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 1265**Other Names**

Calponin-2, Calponin H2, smooth muscle, Neutral calponin, CNN2

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.

CNN2 Antibody (N-term) Blocking peptide - Protein Information**Name** CNN2**Function**

Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.

Tissue Location

Heart and smooth muscle.

CNN2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CNN2 Antibody (N-term) Blocking peptide - Images**CNN2 Antibody (N-term) Blocking peptide - Background**

The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Two transcript variants encoding different isoforms have been found for this gene.

CNN2 Antibody (N-term) Blocking peptide - References

Rikova, K., et al. Cell 131(6):1190-1203(2007) Hossain, M.M., et al. J. Biol. Chem. 280(51):42442-42453(2005) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Gevaert, K., et al. Nat. Biotechnol. 21(5):566-569(2003) Hossain, M.M., et al. Am. J. Physiol., Cell Physiol. 284 (1), C156-C167 (2003) :