10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

CNN2 Antibody (N-term) Blocking peptide - Product Information

Primary 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 thestructural organization of actin filaments. The encoded proteincould play a role in smooth muscle contraction and cell adhesion.Two transcript variants encoding different isoforms have been foundfor 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) :