

Calponin-2 Antibody (N-term S24) Blocking Peptide
Synthetic peptide
Catalog # BP7373b**Specification**

Calponin-2 Antibody (N-term S24) Blocking Peptide - Product InformationPrimary Accession [Q99439](#)**Calponin-2 Antibody (N-term S24) Blocking Peptide - Additional Information****Gene ID** 1265**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7373b](/products/AP7373b) was selected from the N-term region of human Calponin-2. 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.

Calponin-2 Antibody (N-term S24) 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.

Calponin-2 Antibody (N-term S24) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Calponin-2 Antibody (N-term S24) Blocking Peptide - Images

Calponin-2 Antibody (N-term S24) Blocking Peptide - Background

Calponin-2, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The protein could play a role in smooth muscle contraction and cell adhesion.

Calponin-2 Antibody (N-term S24) Blocking Peptide - References

Hossain,M.M., Am. J. Physiol., Cell Physiol. 284 (1), C156-C167 (2003)Fukui,Y., J. Dermatol. Sci. 14 (1), 29-36 (1997)