

**SYNCI Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10803a****Specification**

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**SYNCI Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9H7C4](#)**SYNCI Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 81493**Other Names**

Syncoilin, Syncoilin intermediate filament 1, Syncoilin-1, SYNC, SYNC1

**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.

**SYNCI Antibody (N-term) Blocking peptide - Protein Information****Name** SYNC**Synonyms** SYNC1**Function**

Atypical type III intermediate filament (IF) protein that may play a supportive role in the efficient coupling of mechanical stress between the myofibril and fiber exterior. May facilitate lateral force transmission during skeletal muscle contraction. Does not form homofilaments nor heterofilaments with other IF proteins.

**Cellular Location**

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q9EPM5}. Note=In skeletal muscle, colocalizes with DES and DTNA, and is localized at the myotendinous and neuromuscular junctions, sarcolemma and Z-lines. In myotubes, detected in a punctate cytoplasmic pattern (By similarity) {ECO:0000250|UniProtKB:Q9EPM5}

**SYNCI Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **SYNCI Antibody (N-term) Blocking peptide - Images**

### **SYNCI Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of the intermediate filament family which contains an N-terminal head domain, followed by a central coiled-coil region and a short C-terminal tail. The protein is highly expressed in skeletal and cardiac muscle. The protein links the dystrophin associated protein complex (DAPC) to desmin filaments in muscle and may have a structural role in striated muscle. Multiple transcript variants encoding different isoforms have been found for this gene.

### **SYNCI Antibody (N-term) Blocking peptide - References**

Wakayama, Y., et al. Int. J. Neurosci. 120(2):144-149(2010) Jordanova, A., et al. Nat. Genet. 38(2):197-202(2006) Brown, S.C., et al. Muscle Nerve 32(6):715-725(2005) Poon, E., et al. J. Biol. Chem. 277(5):3433-3439(2002) Newey, S.E., et al. J. Biol. Chem. 276(9):6645-6655(2001)