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SYNCI Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10803a

Specification

SYNCI Antibody (N-term) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	Q9H7C4
Other Accession	NP_110413.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55299**
Antigen Region	**129-158**

SYNCI Antibody (N-term) - Additional Information

Gene ID 81493

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

Target/Specificity
This SYNCI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 129-158 amino acids from the N-terminal region of human SYNCI.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SYNCI Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SYNCI Antibody (N-term) - 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.

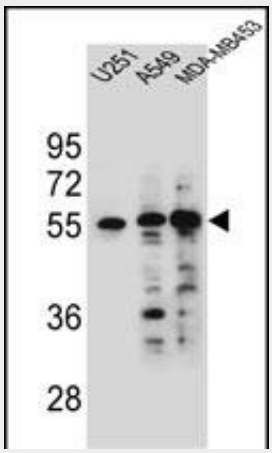
Cellular Location
Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q9EPM5}. Note=In skeletal muscle, colocalizes with DES and DTNA, and is localized at the myotendinous and neuromuscular junctions, sarcolemma and Z-lines. In myotubes, detected in a punctate cytoplasmic pattern (By similarity) {ECO:0000250|UniProtKB:Q9EPM5}

SYNCI Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SYNCI Antibody (N-term) - Images



SYNCI Antibody (N-term) (Cat. #AP10803a) western blot analysis in U251,A549 and MDA-MB453 cell line lysates (35ug/lane).This demonstrates the SYNCI antibody detected the SYNCI protein (arrow).

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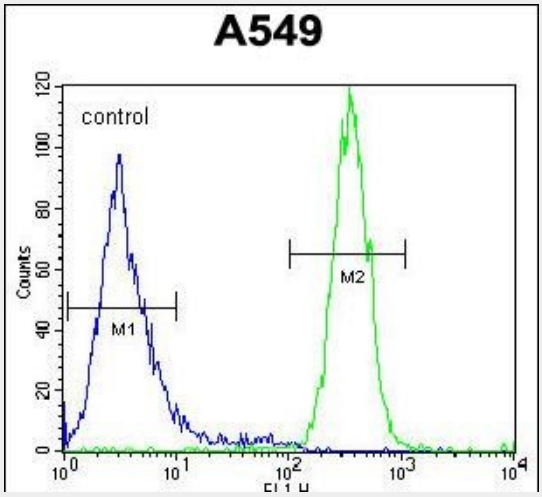
SYNCI Antibody (N-term) (Cat. #AP10803a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SYNCI Antibody (N-term)for immunohistochemistry. Clinical relevance has not been evaluated.



SYNCI Antibody (N-term) (Cat. #AP10803a) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

SYNCI Antibody (N-term) - 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) - References

Wakayama, Y., et al. Int. J. Neurosci. 120(2):144-149(2010)
Jordanova, A., et al. Nat. Genet. 38(2):197-202(2006)
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