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SYNC Rabbit pAb

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Catalog # AP59260

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9H7C4
Reactivity	Rat, Pig, Mouse, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55299
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SYNC/Syncoilin
Epitope Specificity	211-310/482
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, perinuclear region.
SIMILARITY	Belongs to the intermediate filament family.
SUBUNIT	Interacts with DES and DTNA.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Syncoilin (SYNC) is a 483 amino acid member of the intermediate filament family. Localized to the perinuclear region of cytoplasm, Syncoilin interacts with Alpha-Dystrobrevin and Desmin. Syncoilin links the dystrophin associated protein complex (DAPC) to desmin filaments in muscle, and is therefore found at high levels in cardiac and skeletal muscle. Syncoilin is upregulated at the sarcolemma in individuals with various forms of neuromuscular disease. The gene that encodes Syncoilin maps to human chromosome 1, which is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1.

Additional Information

Gene ID	81493
Other Names	Syncoilin, Syncoilin intermediate filament 1, Syncoilin-1, SYNC, SYNC1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}

Background

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