Characterization and purification of TS28, a novel protein localized to the transverse tubules of rabbit skeletal muscle

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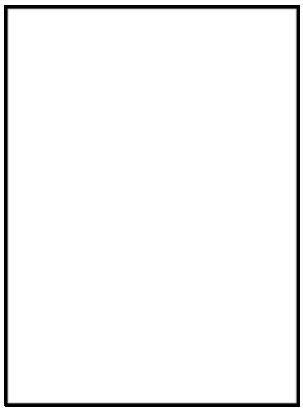

Description: -
-Characterization and purification of TS28, a novel protein localized to the transverse tubules of rabbit skeletal muscle
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Tags: #Expression #and #Partial #Characterization #of #Kinesin

Protein Targeting to the Plasma Membrane of Adult Skeletal Muscle Fiber: An Organized Mosaic of Functional Domains

Adhalin mRNA and cDNA sequence are normal in the cardiomyopathic hamster.

β

No cross-reactivity with amphiphysin I mRNA major transcript at 4. Molecular properties of dihydropyridine-sensitive calcium channels in skeletal muscle.

Expression and Partial Characterization of Kinesin

For one coverslip, 2 µg of plasmid DNA Maxiprep; Qiagen and a 1:3 DNA:Superfect reagent ratio was used. Formation of junctions involved in excitation-contraction coupling in skeletal and cardiac muscle. .

Dystrophin

The transfection mixture was removed 15—20 h later and replaced with differentiation medium. Furthermore, overexpression of motorless-KIF3B in C2C12 cells induces a dramatic increase in endogenous KIF3A expression Figure B. TS28, defined by mAb IXE112, was shown to have an apparent relative molecular mass of 28,000 D.

The Sarcoplasmic Reticulum of Skeletal Muscle: A Look from Inside

Glycoprotein complex anchoring dystrophin to sarcolemma.

Identification of novel proteins unique to either transverse tubules (TS28) or the sarcolemma (SL50) in rabbit skeletal muscle

It is recruited to the centromeres of dividing cells and aids in chromosome separation during anaphase ;. Recent data indicate that junctophilins seem also to interact with other proteins of the excitation—contraction machinery, suggesting that they may contribute to hold excitation—contraction coupling proteins to the sites where the j-SR is being organized.

Proteoglycans are present in the transverse tubule system of skeletal muscle

Calcium release units are formed by apposed junctional domains of the sarcoplasmic reticulum SR on one side, and of exterior membranes plasma membrane and transverse tubules on the other. Bar, 63 μm; inset, 126 μm. A major band centered at 2.

Protein Targeting to the Plasma Membrane of Adult Skeletal Muscle Fiber: An Organized Mosaic of Functional Domains

KIF3B colocalizes with three components of the E-C coupling membranes in skeletal muscle: DHPR, RyR, and triadin. At this stage of myogenesis, microtubules are very prominent throughout the entire myotube, and nascent myofibrils are beginning to assemble. Jeyakumar, Loice; Gleaves, Linda; Ridley, Bettye; Chang, Paul; Atkinson, James; Barnett, Joey; Fleischer, Sidney 2004-10-10 00:00:00 The ryanodine receptors RyRs are a class of intracellular calcium release channels of which there are three isoforms.

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