Anti-Human/Mouse/Rat TTN Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA04935

3th Edition

Description:TTN (Titin) is a Protein Coding gene. Diseases associated with TTN include Myopathy, Proximal, With Early Respiratory Muscle Involvement and Tibial Muscular Dystrophy, Tardive. Among its related pathways are Response to elevated platelet cytosolic Ca2+ and Cardiac conduction. GO annotations related to this gene include nucleic acid binding and identical protein binding. An important paralog of this gene is OBSCN.This gene encodes a large abundant protein of striated muscle. The product of this gene is divided into two regions, a N-terminal I-band and a C-terminal A-band. The I-band, which is the elastic part of the molecule, contains two regions of tandem immunoglobulin domains on either side of a PEVK region that is rich in proline, glutamate, valine and lysine. The A-band, which is thought to act as a protein-ruler, contains a mixture of immunoglobulin and fibronectin repeats, and possesses kinase activity. An N-terminal Z-disc region and a C-terminal M-line region bind to the Z-line and M-line of the sarcomere, respectively, so that a single titin molecule spans half the length of a sarcomere.

Antigen: Synthetic peptide from human protein

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Isoform 3, isoform 7 and isoform 8 are expressed in cardiac muscle. Isoform 4 is expressed in vertebrate skeletal muscle. Isoform 6 is expressed in cardiac tissues.