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TTN Rabbit pAb

货号: AYP20500

产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	IF/ICC
推荐浓度	**IF/ICC:** 1:50 - 1:200
理论分子量	3816KDa
实测分子量	3816KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Cardiac muscle
细胞定位	condensed nuclear chromosome,cytosol,extracellular exosome,extracellular region,I band,M band,striated muscle thin filament,titin-telethonin complex,Z disc
纯化	Affinity purification

抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 5347-5604 of human TTN (NP_596870.2).

靶点信息

研究背景	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. Titin also contains binding sites for muscle associated proteins so it serves as an adhesion template for the assembly of contractile machinery in muscle cells. It has also been identified as a structural protein for chromosomes. Alternative splicing of this gene results in multiple transcript variants. Considerable variability exists in the I-band, the M-line and the Z-disc regions of titin. Variability in the I-band region contributes to the differences in elasticity of different titin isoforms and, therefore, to the differences in elasticity of different muscle types. Mutations in this gene are associated with familial hypertrophic cardiomyopathy 9, and autoantibodies to titin are produced in patients with the autoimmune disease scleroderma.
基因ID	7273
基因名	TTN
Swiss	Q8WZ42 (https://www.uniprot.org/uniprotkb/Q8WZ42/entry)
别名	TTN,CMD1G,CMH9,CMPD4,EOMFC,HMERF,LGMD2J,MYLK5,TMD,SALMY,titin,TTN Rabbit pAb,Connectin,Rhabdomyosarcoma antigen MU-RMS-40.14

产品验证

实验步骤

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