

## Titin/CMD1G Polyclonal Antibody

Catalog: BS65480

Host: Rabbit

Reactivity: Human, Mouse, Rat, Pig, Cow,

### BackGround:

Titin, also known as connectin, is a large protein involved in the temporal and spatial control of the assembly of the highly ordered sarcomeres (contractile units) of striated muscle. In addition to sarcomere assembly Titin also functions to maintain the structural integrity of the contracting myofibrils within the muscle and to organize the machinery for condensation of chromosomes in dividing cells. Titin is a giant protein composed of 27,000 amino acids and contains an autoregulated serine kinase catalytic domain as well as a calcium/calmodulin binding region that are involved in its activation. Activated Titin phosphorylates the muscle protein telethonin, a sarcomeric protein abundant in heart and skeletal muscle, implicating Titin activity in the reorganization of the cytoskeleton during myofibrillogenesis.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

3780 kD

### Swiss-Prot:

Q8WZ42

### Purification&Purity:

affinity purified by Protein A

### Applications:

ELISA=1:5000-10000

IHC=1:100-500

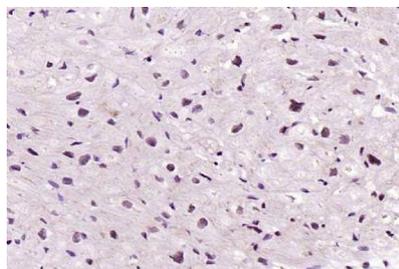
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Titin/CMD1G Polyclonal Antibody detects endogenous levels of Titin/CMD1G protein.

### DATA:



Paraformaldehyde-fixed, paraffin embedded (Human myocardium); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (Titin) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4 °C.

### Note:

For research use only, not for use in diagnostic procedure.

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