

Product datasheet for **TA369614S**

Troponin C1 (TNNC1) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 500-2000 WB positive control: Human heart tissue lysate IHC: 100-200 Positive control: Human breast cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein of human TNNC1 |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. |
| Stability: | 1 year |
| Predicted Protein Size: | 18 kDa |
| Gene Name: | troponin C1, slow skeletal and cardiac type |
| Database Link: | Entrez Gene 7134 Human P63316 |

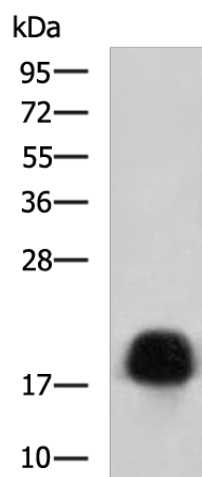
Background: Troponin is a central regulatory protein of striated muscle contraction, and together with tropomyosin, is located on the actin filament. Troponin consists of 3 subunits: TnI, which is the inhibitor of actomyosin ATPase; TnT, which contains the binding site for tropomyosin; and TnC, the protein encoded by this gene. The binding of calcium to TnC abolishes the inhibitory action of TnI, thus allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in this gene are associated with cardiomyopathy dilated type 1Z.



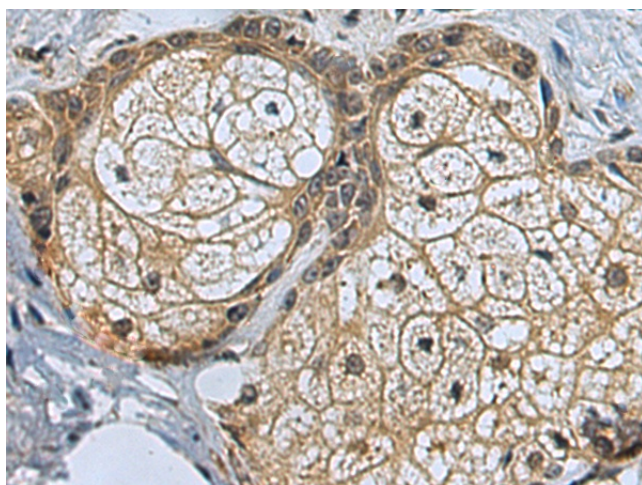
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Synonyms: CMD1Z; TN-C; TNC; TNNC

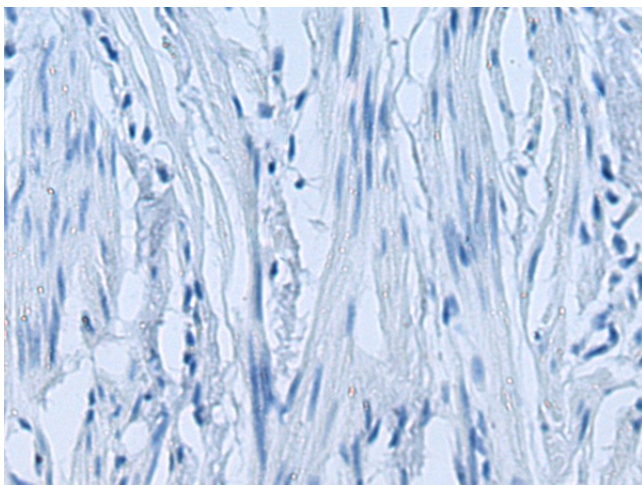
Product images:



Gel: 12%SDS-PAGE
 Lysate: 40 µg
 Lane: Human heart tissue lysate
 Primary antibody: [TA369614] (TNNC1 Antibody) at dilution 1/750
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
 Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA369614] (TNNC1 Antibody) at dilution 1/100 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA369614] (TNNC1 Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: ×200)