

## TNNC1 RABBIT PAB

**Cat.#:** S218156

**Product Name:** Anti-TNNC1 Rabbit Polyclonal Antibody

**Synonyms:** TNC; TN-C; TNNC; CMD1Z; CMH13

**UNIPROT ID:** P63316 (Gene Accession - BC030244 )

**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.

**Immunogen:** Fusion protein of human TNNC1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 100-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

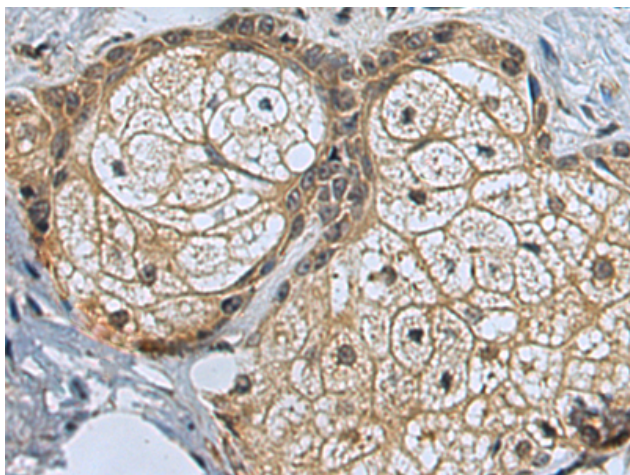
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

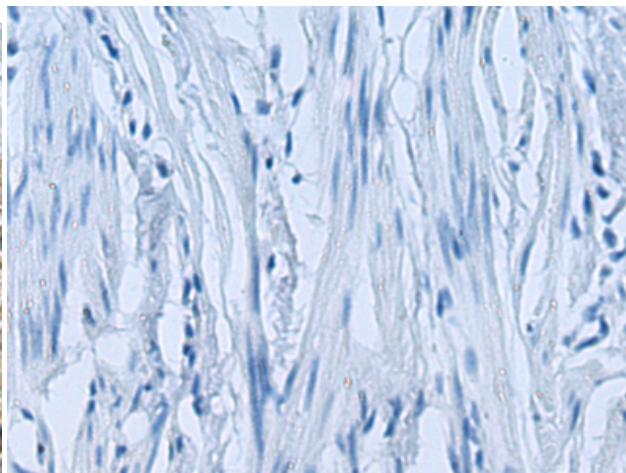
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Cardiovascular

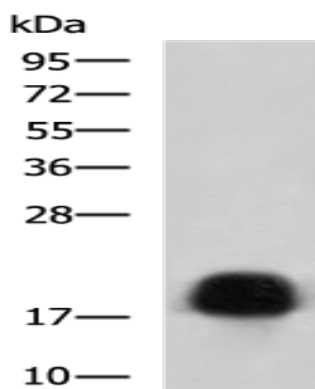
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 218156(TNNC1 Antibody) at a dilution of 1/100(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the fusion protein and then with 218156(Anti-TNNC1 Antibody) at dilution 1/100.



Gel: 12%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane: Human heart tissue lysate;  
Primary antibody: 218156(TNNC1 Antibody) at dilution 1/750;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 10 seconds