

TNNC1 Polyclonal Antibody

Catalog number: 13504-1-AP

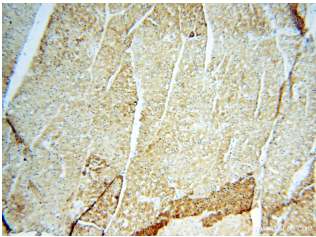
Size: 86 µg/150 µl

Source: Rabbit

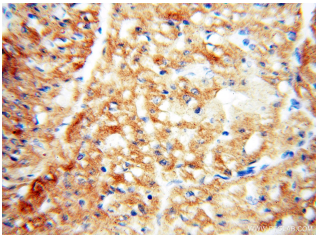
Isotype: IgG

Synonyms:

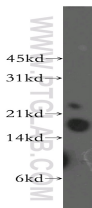
TNNC1; CMD1Z, TN C, TNC,
TNNC, TNNC1, troponin C type
1 (slow)



Immunohistochemical of paraffin-embedded human heart using 13504-1-AP(TNNC1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human heart using 13504-1-AP(TNNC1 antibody) at dilution of 1:50 (under 40x lens)



human stomach tissue were subjected to SDS PAGE followed by western blot with 13504-1-AP(TNNC1 antibody) at dilution of 1:500

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. TnC plays an important role in excitation-contraction coupling and is the primary target of compounds such as levosimendan that augment Ca²⁺ responsiveness of the thin filament.

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated TNNC1 MW:	161aa, 18 kDa
Observed TNNC1 MW:	18 kDa
Positive WB detected in:	Human stomach tissue
Positive IHC detected in:	Human heart tissue, human lung tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4339
GenBank accession number:	BC030244
Gene ID (NCBI):	7134
Full name:	Troponin C type 1 (slow)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.