

Anti-TNNC1 Polyclonal Antibody

Cat: K107766P

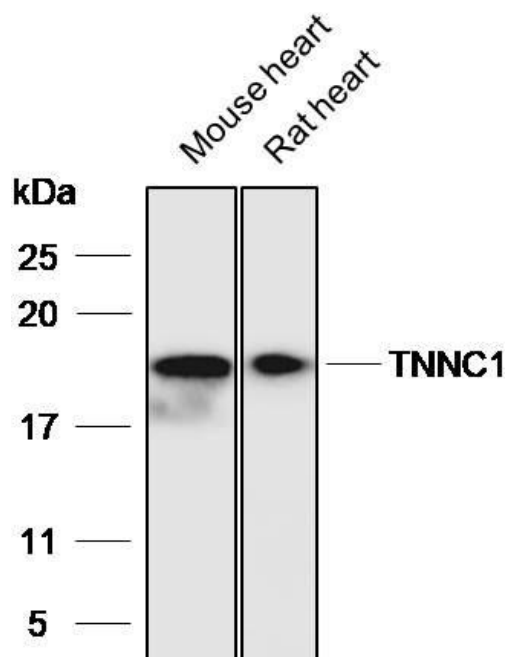
Summary:

【Product name】 : Anti-TNNC1 antibody	【Source】 : Rabbit
【Isotype】 : IgG	【Species reactivity】 : Mouse Rat
【Swiss Prot】 : P63316	【Gene ID】 : 7134
【Calculated】 : MW:18kDa	【Observed】 : MW:18kDa
【Purification】 : Affinity purification	
【Tested applications】 : WB	
【Recommended dilution】 : WB 1:1000-3000.	
【WB Positive sample】 : Mouse heart,Rat heart	
【Subcellular location】 : Cytoplasm	
【Immunogen】 : Recombinant protein of human TNNC1	
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

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.

Verified picture



Western blot analysis with TNNC1 antibody diluted at 1:2000; Lane: Mouse heart, Rat heart