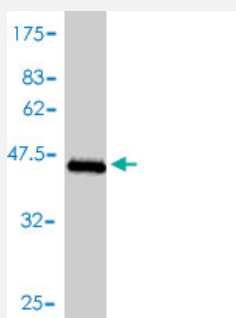


TNNC1 polyclonal antibody (A01)

Catalog # H00007134-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (43.82 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant TNNC1 .
Immunogen	TNNC1 (AAH30244, 1 a.a. ~ 161 a.a) full-length recombinant protein with GST tag.
Sequence	MDDYKAAVEQLTEEQKNEFKAAFDIFVLGAEDGCISTKELGKVMRMLGQNPTPEELQEMIDEVD EDGSGTVDFDEFLVMMVRCMKDDSKGKSEEELSDLFRMFDKNADGYIDLDELKIMLQATGETITE DDIEELMKDGDKNNDGRIDYDEFLEFMKGVE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.82 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TNNC1

Entrez GeneID	7134
GeneBank Accession#	BC030244
Protein Accession#	AAH30244
Gene Name	TNNC1
Gene Alias	CMD1Z, TNC, TNNC
Gene Description	troponin C type 1 (slow)
Omim ID	191040
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	cardiac troponin C slow twitch skeletal/cardiac muscle troponin C troponin C, slow troponin C1, slow

Pathway

- [Calcium signaling pathway](#)
- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Cardiomyopathy](#)
- [Genetic Predisposition to Disease](#)