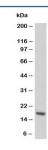


# **Troponin C Antibody / TNNC1 (R30872)**

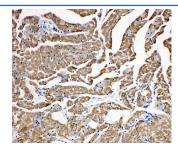
Catalog No.	Formulation	Size
R30872	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P63316
Applications	Western Blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Troponin C antibody is available for research use only.



Western blot testing of Troponin C antibody and rat skeletal muscle tissue lysate. Predicted molecular weight: ~18 kDa.



IHC-P: Troponin C antibody testing of rat heart tissue

## **Description**

Troponin C, also called TNNC1, and TNC, is a protein that in humans is encoded by the TNNC1 gene. Using a monochromosomal hybrid panel, the TNNC1 gene is mapped to chromosome 3; subsequent analysis of the Genebridge 4 radiation hybrid panel localized the gene to 3p in a region consistent with the earlier assignment. Circular dichroism measurements revealed changes in the secondary structures of the TNNC1 mutants A8V, C84Y, and D145E.

# **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the Troponin C antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

An amino acid sequence from the N-terminus of human cardiac Troponin C (MDDIYKAAVEQLTEEQKN) was used as the immunogen for this Troponin C antibody (100% homologous in human, mouse and rat).

### **Storage**

After reconstitution, the Troponin C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.