Product Name: **Troponin T (15D11) Rabbit Monoclonal Antibody**
Catalog #: **AMRe19306**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP,IF-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:500,IP 1:50-1:100,IF-P 1:200-1:500
Molecular Weight	36kDa

Antigen Information

Gene Name	TNNT2
Alternative Names	TNNT2 ; Cardiac muscle troponin T; Troponin T, cardiac muscle; troponin T type 2 (cardiac);
Gene ID	7139.0
SwissProt ID	P45379
Immunogen	A synthetic peptide of human Cardiac Troponin T

Background

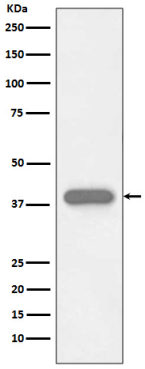
Troponin, working in conjunction with tropomyosin, functions as a molecular switch, regulating muscle contraction in response

to changes in the intracellular Ca2+ concentration. Troponin consists of three subunits: the Ca2+-binding subunit troponin C (TnC), the tropomyosin-binding subunit troponin T (TnT), and the inhibitory subunit troponin I (TnI). Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Research Area

Cardiac muscle contraction;Hypertrophic cardiomyopathy (HCM);Dilated cardiomyopathy;

Image Data



Western blot analysis of Troponin T expression in human fetal heart lysate.