

Product Name: Troponin T (15D11) Rabbit Monoclonal Antibody
Catalog #: AMRe19306



Summary

Production Name	Troponin T (15D11) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
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

Immunogen

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.

Application

Dilution Ratio	WB 1:5000-1:20000
Molecular Weight	36kDa

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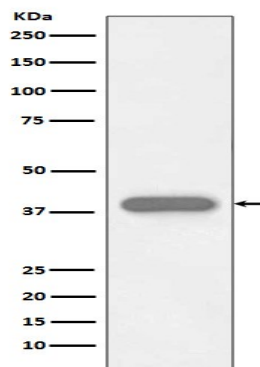


Background

Troponin, working in conjunction with tropomyosin, functions as a molecular switch, regulating muscle contraction in response to changes in the intracellular Ca^{2+} concentration. Troponin consists of three subunits: the Ca^{2+} -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

Image Data



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

Note

For research use only.